

Psionas

RESEARCH

ORDERED that all distribution checks shall bear the notation "VOID IF NOT CASHED WITHIN 90 DAYS" and it is further,

ORDERED that subsequent to the 91st day after the checks are disbursed to the claimants the Trustee shall stop payment and void any check not negotiated and issue a replacement check (Payable to: Clerk, United States Bankruptcy Court) for the benefit of such claimant and forward said replacement check to the Clerk of Court, together with the name, address and amount owed to the claimant.

Order signed pursuant to
11 U.S.C. Sec. 350 is
based upon the assumption
and our reliance thereon
that the United States
Trustee has fulfilled his
responsibilities pursuant
to 28 U.S.C. Sec. 586(a)
and Sec. 302 of the
Bankruptcy Act of 1986.

Reviewed and Approved

ARTHUR J. GONZALEZ
ACTING UNITED STATES TRUSTEE

by, Andrea Kayara Rowe
Date: 7/13/93

DUPLICATE ORIGINAL

Albany, New York
Dated:

JUL 14 1993

Arthur J. Gonzalez
United States Bankruptcy Judge

BE SURE NAME, BUSINESS AND
ADDRESS MATCH YOUR FILE.

PRIORITY
INQUIRY

~~CONFIDENTIAL~~ ✓

THIS REPORT MAY NOT BE REPRODUCED IN WHOLE OR IN PART IN ANY MANNER WHATSOEVER

SPECIAL NOTICE

DUNS: 00-224-9563
BOSSERT MANUFACTURING
CORPORATION
(DEBTOR IN POSSESSION)

1002 OSWEGO ST
UTICA NY 13502
TEL: NONE

DATE PRINTED
MAR 25 1988

RATING NQ

MFG DRAWN METAL
STAMPINGS, SHEET
METAL WELDMENTS &
FABRICATED
ASSEMBLIES

STARTED 1979

SIC NOS.
34 69 34 44 34 43

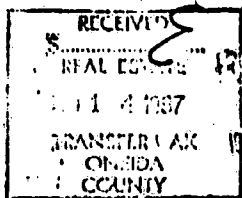
SPECIAL EVENTS

03/24/88 On Mar 24 1988 past suppliers verified that subject has
discontinued business at this address.
03-25(3Y1 /3) 00000 047 248

SEE REVERSE SIDE FOR GLOSSARY OF TERMS

THIS REPORT, FURNISHED PURSUANT TO CONTRACT FOR THE EXCLUSIVE USE OF THE SUBSCRIBER AS ONE FACTOR TO CONSIDER IN CONNECTION WITH CREDIT,
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CITY TAX DEED



RECORDED

1987 OCT 14 PM 2:37

19657

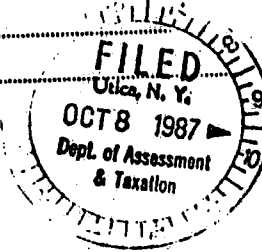
This Indenture, Made the 8th day of October 1987, between Louis A. Barile, Book 2366 Page 78, as City Treasurer of the City of Utica, party of the first part, and _____ party of the second part.

Witnesseth, as follows:

WHEREAS, the real estate hereinafter described was assessed to Bowsert Manufacturing Corp. on the assessment roll of _____

the City of Utica for the year 1985, and the

1935-86 City Tax	\$10221.47
Interest	1226.57
1936-87 School Tax	10911.26
Interest	1091.13
Collection Fee	600.12
Advertising Fee	15.00
Total	\$24,065.55



thereon remained unpaid for said year, and said real estate was duly advertised for sale as required by Section 3, Article V, of Chapter 658 of the Laws of 1923, as amended; and said real estate was on the 30th day of June 1986, sold by the City Treasurer of said City of Utica to _____ the City of Utica for the sum of Twenty-Four Thousand-Sixty-Five Dollars and Fifty-Five Cents (\$24,065.55)

and the certificate of sale was duly executed and delivered to such purchaser, and

WHEREAS, the said purchaser, his legal representatives or assigns, have duly given and served notice to redeem said real estate and have exhibited such notice with the proof of service thereof to the said City Treasurer prior hereto, as required by Section 7, Article V of Chapter 658 of the Laws of 1923, and the time for such redemption has expired and such real estate has not been redeemed.

Now, therefore, the said party of the first part pursuant to the provisions of Section 8, Article V of Chapter 658 of the Laws of 1923, in consideration of the premises and the said sum of Twenty-Four Thousand Sixty-Five & 55/100 Dollars, doth hereby grant and convey to said party of the second part the following described premises situated in said City of Utica, County of Onondaga and State of New York, viz:—

DESCRIPTION
Book 4, Map 10, Block 1, Lot 1-
1002 Oswego Street, Utica, New York (Ward 4, Key No. 49550)

its successors

To have and to hold the above granted premises unto the party of the second part, his heirs and assigns forever.

BOSSERT DEED

ONLY COPY

DO NOT LOSE

In Witness Whereof, said party of the first part hath set his hand and caused these presents to be attested by the City Clerk of said City and the Seal of the City to be attached thereto the day and year first above written.

Attest:

Philomena Talarico
City Clerk of the City of Utica.

Louis A. Barile (L. S.)
City Treasurer of the City of Utica.

STATE OF NEW YORK, }
COUNTY OF ONEIDA, } ss:
City of Utica

On this 8th day of October 1907, before me personally appeared

Louis A. Barile and Philomena Talarico
to me known to be the same persons described in and who executed the foregoing instrument, and severally duly
acknowledged the execution thereof, and who being by me severally duly sworn did depose and say, each for himself,

that the said Louis A. Barile is the City

Treasurer of the City of Utica, and that the said Philomena Talarico
is the City Clerk of the City of Utica; that he knows the corporate seal of the City of Utica and that the seal affixed
to said instrument is the corporate seal of the City of Utica, and that the same was thereto affixed and the same was
signed and executed by said Treasurer and attested by said Clerk pursuant to the provisions of Section 8, Article V,
of Chapter 658 of the Laws of 1923.

James H. Hoge
Notary Public, Oneida County, N.Y.
Comr. of Deeds in and for the
City of Utica, N.Y. Expr. 12/31/38.

10657

BOOK 2366 79

City of Utica
Treasurer

RELEASE

KNOW THAT Bossert Manufacturing Corporation, a corporation organized under the State of New York and having offices for the transaction of its business in Utica, New York, as RELEASOR, in consideration of the sum of Ten Dollars (\$10.00) and for other good and valuable consideration received from Rockwell International Corporation, a Delaware corporation with its offices at Troy, Michigan, as RELEASEE, receipt whereof is hereby acknowledged, releases and discharges Rockwell International Corporation as the RELEASEE, RELEASEE's heirs, executors, administrators, successors and assigns from all actions, causes of action, suits, debts, dues, sums of money, accounts, reckonings, bonds, bills, specialties, covenants, contracts, controversies, agreements, promises, variations, trespasses, damages, judgments, extents, executions, claims and demands whatsoever in law, admiralty or equity, which against the RELEASEE, the RELEASOR, RELEASOR's heirs, executors, administrators, successors or assigns ever had, now have or hereafter can, shall or may, have for, upon or by reason of or with respect to, arising out of or relating to the (i) "Schedule A Rockwell Tooling", the "Other Rockwell Tooling", "Tooling Data", "Schedule C Tooling", "Raw Steel", "Work in Process", and/or "Finished Goods" (as those quoted terms are defined in a certain Stipulation by and among Rockwell International Corporation, The Merchants National Bank & Trust Company of Syracuse and Bossert Manufacturing Corporation, dated the 16th day of April, 1985), and (ii) any Rockwell International Corporation purchase orders or other agreements to buy relating to the purchase by Rockwell International Corporation of goods from Bossert Manufacturing Corporation, and (iii) any other transaction(s) whatsoever relating or having reference to Bossert Manufacturing Corporation or the Chapter 11 Bankruptcy proceeding entitled In re Bossert Manufacturing Corporation, Debtor, (Case No. 82-00611) which case is currently pending the United States Bankruptcy Court for the Northern District of New York.

Notwithstanding anything to the contrary set forth in this Release, this Release expressly does not apply to the performance by RELEASEE or RELEASEE's successors or assigns, of any of its or their obligations under the Stipulation between The Merchants National Bank & Trust Company of Syracuse, Rockwell International Corporation and Bossert Manufacturing Corporation described above, all of which obligations shall survive the execution and delivery of this Release.

Whenever the text hereof requires, the use of singular numbers shall include the appropriate plural number as the text of the within instrument may require.

This Release may not be modified, changed, amended or any provision hereunder waived absent the execution and delivery by Bossert Manufacturing Corporation and Rockwell International Corporation of a writing intended for such purpose.

IN WITNESS WHEREOF, the RELEASOR has caused this Release to be executed by its duly authorized officer and its corporate seal to be hereunto affixed on April 16th, 1985.

BOSSERT MANUFACTURING CORPORATION

By: J. C. McNamee
Authorized Officer

STATE OF NEW YORK)
)ss:
COUNTY OF ONEIDA)

On April 16, 1985, before me J. Scott Finlay personally came Leo Urban, to me known, by me duly sworn, did depose and say that deponent resides at Utica, New York, that deponent is the President of BOSSERT MANUFACTURING CORPORATION, the corporation described in, and which executed the foregoing RELEASE, that deponent knows the seal of the corporation, that the seal affixed to the RELEASE is the corporate seal, that it was affixed by order of the board of the corporation; and that deponent signed deponent's name by like order.

J. Scott Finlay
Notary Public - County of Oneida

J. SCOTT FINLAY
Notary Public, State of New York
No. 4827800
Qualified in Oneida County
Commission Expires March 30, 19 86

RELEASE

KNOW THAT Rockwell International Corporation, a corporation organized under the State of Delaware and having offices for the transaction of its business in Troy, Michigan, as RELEASOR, in consideration of the sum of Ten Dollars (\$10.00) and for other good and valuable consideration received from The Merchants National Bank & Trust Company of Syracuse, a national banking association with its principal banking offices at 216-220 South Warren Street, Syracuse, New York, as RELEASEE, receipt whereof is hereby acknowledged, releases and discharges The Merchants National Bank & Trust Company of Syracuse as the RELEASEE, RELEASEE's heirs, executors, administrators, successors and assigns from all actions, causes of action, suits, debts, dues, sums of money, accounts, reckonings, bonds, bills, specialties, covenants, contracts, controversies, agreements, promises, variances, trespasses, damages, judgments, extents, executions, claims and demands whatsoever in law, admiralty or equity, which against the RELEASEE, the RELEASOR, RELEASOR's heirs, executors, administrators, successors or assigns ever had, now have or hereafter can, shall or may, have for, upon or by reason of or with respect to, arising out of or relating to the (i) "Schedule A Rockwell Tooling", the "Other Rockwell Tooling", "Tooling Data", "Schedule C Tooling", "Raw Steel", "Work in Process", and/or "Finished Goods" (as those quoted terms are defined in a certain Stipulation by and among Rockwell International Corporation, The Merchants National Bank & Trust Company of Syracuse and Bossert Manufacturing Corporation, dated the 16th day of April, 1985), and (ii) any Rockwell International Corporation purchase orders or other agreements to buy relating to the purchase by Rockwell International Corporation of goods from Bossert Manufacturing Corporation, and (iii) any claim of or under any security interest in or lien upon any of the foregoing claimed or held by The Merchants National Bank & Trust Company of Syracuse, and (iv) any other transaction(s) whatsoever relating or having reference to Bossert Manufacturing Corporation or the Chapter 11 Bankruptcy proceeding entitled In re Bossert Manufacturing Corporation, Debtor, (Case No. 82-00611) which case is currently pending the United States Bankruptcy Court for the Northern District of New York.

Notwithstanding anything to the contrary set forth in this Release, this Release expressly does not apply to the performance by RELEASEE or RELEASEE's successors or assigns, of any of its or their obligations under the Stipulation between The Merchants National Bank & Trust Company of Syracuse, Rockwell International Corporation and Bossert Manufacturing Corporation described above, all of which obligations shall survive the execution and delivery of this Release.

Whenever the text hereof requires, the use of singular numbers shall include the appropriate plural number as the text of the within instrument may require.

This Release may not be modified, changed, amended or any provision hereunder waived absent the execution and delivery by Rockwell International Corporation and The Merchants National Bank & Trust Company of Syracuse of a writing intended for such purpose.

IN WITNESS WHEREOF, the RELEASOR has caused this Release to be executed by its duly authorized officer and its corporate seal to be hereunto affixed on April 12, 1985.

ROCKWELL INTERNATIONAL CORPORATION

By: W. L. ...
Authorized Officer

Michigan
STATE OF DELAWARE)

)ss:

COUNTY OF Wayne

(acting in Oakland)

On April 12, 1985, before me Elizabeth C. Piwowarski personally came W. L. ..., to me known, by me duly sworn, did depose and say that deponent resides at ... Michigan, that deponent is the ... of ROCKWELL INTERNATIONAL CORPORATION, the corporation described in, and which executed the foregoing RELEASE, that deponent knows the seal of the corporation, that the seal affixed to the RELEASE is the corporate seal, that it was affixed by order of the board of the corporation; and that deponent signed deponent's name by like order.

Elizabeth C. Piwowarski
Notary Public - County of Wayne

ELIZABETH A. PIWOWARSKI
Notary Public, Wayne County, MI
My Commission Expires May 21, 1986
Residing in Oakland Co.

RELEASE

KNOW THAT The Merchants National Bank & Trust Company of Syracuse, a national banking association with its principal banking offices at 216-220 South Warren Street, Syracuse, New York, as RELEASOR, in consideration of the sum of Ten Dollars (\$10.00) and for other good and valuable consideration received from Rockwell International Corporation, a corporation organized under the State of Delaware and having offices for the transaction of its business in Troy, Michigan, as RELEASEE, receipt whereof is hereby acknowledged, releases and discharges Rockwell International Corporation as the RELEASEE, RELEASEE's heirs, executors, administrators, successors and assigns from all actions, causes of action, suits, debts, dues, sums of money, accounts, reckonings, bonds, bills, specialties, covenants, contracts, controversies, agreements, promises, variances, trespasses, damages, judgments, extents, executions, claims and demands whatsoever in law, admiralty or equity, which against the RELEASEE, the RELEASOR, RELEASOR's heirs, executors, administrators, successors or assigns ever had, now have or hereafter can, shall or may, have for, upon or by reason of or with respect to, arising out of or relating to the (i) "Schedule A Rockwell Tooling", the "Other Rockwell Tooling", "Tooling Data", "Schedule C Tooling", "Raw Steel", "Work in Process", and/or "Finished Goods" (as those quoted terms are defined in a certain Stipulation by and among Rockwell International Corporation, The Merchants National Bank & Trust Company of Syracuse and Bossert Manufacturing Corporation, dated the 16 day of April, 1985), and (ii) any Rockwell International Corporation purchase orders or other agreements to buy relating to the purchase by Rockwell International Corporation of goods from Bossert Manufacturing Corporation, and (iii) any claim of or under any security interest in or lien upon any of the foregoing claimed or held by The Merchants National Bank & Trust Company of Syracuse, and (iv) any other transaction(s) whatsoever relating or having reference to Bossert Manufacturing Corporation or the Chapter 11 Bankruptcy proceeding entitled In re Bossert Manufacturing Corporation, Debtor, (Case No. 82-00611) which case is currently pending the United States Bankruptcy Court for the Northern District of New York.

Notwithstanding anything to the contrary set forth in this Release, this Release expressly does not apply to the performance by RELEASEE or RELEASEE's successors or assigns, of any of its or their obligations under the Stipulation between The Merchants National Bank & Trust Company of Syracuse, Rockwell International Corporation and Bossert Manufacturing Corporation described above, all of which obligations shall survive the execution and delivery of this Release.

Whenever the text hereof requires, the use of singular numbers shall include the appropriate plural number as the text of the within instrument may require.

This Release may not be modified, changed, amended or any provision hereunder waived absent the execution and delivery by The Merchants National Bank & Trust Company of Syracuse and Rockwell International Corporation of a writing intended for such purpose.

IN WITNESS WHEREOF, the RELEASOR has caused this Release to be executed by its duly authorized officer and its corporate seal to be hereunto affixed on April 15, 1985.

THE MERCHANTS NATIONAL BANK &
TRUST COMPANY OF SYRACUSE

By: Derrick J. Chambers, Jr
Authorized Officer

STATE OF NEW YORK)
)ss:
COUNTY OF ONONDAGA)

On April 15, 1985, before me JOHN J. CONNELLEY personally came JOHN J. CONNELLEY, to me known, by me duly sworn, did depose and say that deponent resides at 1000 1/2 E. 10TH ST. SYRACUSE, N.Y. 13202, that deponent is the VICE PRESIDENT of THE MERCHANTS NATIONAL BANK & TRUST COMPANY OF SYRACUSE, the corporation described in, and which executed the foregoing RELEASE, that deponent knows the seal of the corporation, that the seal affixed to the RELEASE is the corporate seal, that it was affixed by order of the board of the corporation; and that deponent signed deponent's name by like order.

Notary Public - County of Onondaga

MERCHANTS WITHOUT RECOURSE ASSIGNMENT
TO BOSSERT OF MERCHANTS' DEFICIENCY

Dated: April 16, 1985.

In consideration of the payment by Rockwell International Corporation ("Rockwell") to The Merchants National Bank & Trust Company of Syracuse ("Merchants") of the sum of Ten Dollars (\$10.00), receipt of which by Merchants is hereby acknowledged, and in accordance with the provisions of a certain Stipulation (the "Stipulation") dated April 16, 1985, entered into by and among Rockwell, Merchants and Bossert Manufacturing Corporation ("Bossert"), Merchants hereby assigns, transfers and absolutely sets over to Rockwell, all Without Recourse of any nature or description, the "Merchants' Deficiency".

For the purposes of this Without Recourse Assignment, the term "Merchants' Deficiency" shall mean and refer to the balance of the \$1,837,408.21 principal indebtedness now owing from Bossert to Merchants (the "Bossert Debt") which remains after Merchants has exhausted all of Merchants' remedies with respect to the collection of the Bossert Debt, including, without limitation, the realization by Merchants on or with respect to any and all collateral security which may now or may hereafter be held by Merchants with respect to such Bossert Debt. Said balance, if any remains, shall be calculated at a time and in a manner to be determined by Merchants in its sole discretion.

By accepting this Without Recourse Assignment where indicated below, Rockwell expressly acknowledges that Merchants shall have absolutely no obligation to proceed in any particular manner with respect to the collection of the Bossert Debt, and that Merchants may proceed or not proceed in Merchants' absolute discretion to take such steps or omit from taking steps to effect collection of the Bossert Debt. In particular, Merchants shall have absolutely no obligation whatsoever to Rockwell to effect collection of all or any part of the Bossert Debt.

IN WITNESS WHEREOF, Merchants has caused this Without Recourse Assignment to be executed and delivered this 16 day of April, 1985.

THE MERCHANTS NATIONAL BANK &
TRUST COMPANY OF SYRACUSE

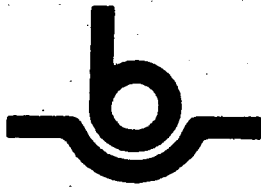
By: Richard J. Chawles V.P.
Authorized Officer

ACCEPTANCE OF WITHOUT RECOURSE ASSIGNMENT

Rockwell International Corporation hereby accepts the above set forth Without Recourse Assignment by The Merchants National Bank & Trust Company of Syracuse, and Rockwell acknowledges that The Merchants National Bank & Trust Company of Syracuse shall have absolutely no obligation to proceed other than in Merchants' own, absolute discretion, with respect to taking any action, or omitting to take any action, with respect to the collection of all or any part of the Bossert Debt.

ROCKWELL INTERNATIONAL CORPORATION

By: [Signature]
Authorized Officer



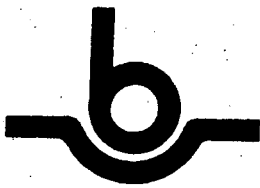
BOSSERT MANUFACTURING CORPORATION 1002 OSWEGO STREET • UTICA, NEW YORK 13503 • PHONE 315-797-1600

AGREEMENT

This Agreement in principle between Bossert and Rockwell International is based on a Meeting on August 22, 1984 held at the Bossert Manufacturing Corporation offices.

1. Bossert requires immediate cash in order to continue operations. Rockwell agrees, based on the following listed points, to release immediately approximately \$99,000.00 due Bossert.
2. Added funds that are, or may be due Bossert for material (1) already received, (2) available at but not received at plant (s) and (3) finished at Bossert that are assured to be of value, will be utilized by Rockwell to meet obligations of Bossert to Stateline that are guaranteed by Rockwell.
3. That Rockwell agrees to buy from and consign to Bossert documented raw material inventory at Bossert for production of Rockwell product; furthermore an ongoing consignment inventory program is envisioned.

- continued -



BOSSERT MANUFACTURING CORPORATION 1002 OSWEGO STREET • UTICA, NEW YORK 13503 • PHONE 315-797-1600

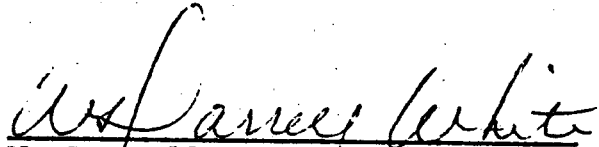
- 2 -

4. That Rockwell will have on-site at Bossert the week of August 27, 1984 people to:

4.1 Verify the physical inventory to be purchased by Rockwell for consignment to Bossert.

4.2 Verify exactly Bossert's short and longer term cash requirements in order to determine how those requirements shall be met.

All of the above is subject to appropriate legal approval on behalf of both parties.


W. Darrell White
ROCKWELL INTERNATIONAL


Leo J. Urban
BOSSERT MANUFACTURING CORPORATION

August 22, 1984
Utica, New York

File
Sept 10
P. 2
D. 140

HANCOCK & ESTABROOK

COUNSELORS AT LAW

ONE MONY PLAZA

SYRACUSE, NEW YORK 13202-2791

TELEPHONE (315) 471-3151

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DONALD P. MC CARTHY
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JOHN R. VARNER
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BRUCE G. SOOEN
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BENJAMIN J. FERRARA
RICHARD W. COOK
JOHN M. DE LANEY
DAVID S. HOWE
GREGORY R. THORNTON
GEORGE W. CHESG. JR.

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DOREEN A. SIMMONS
DAVID E. PEEBLES
MARK C. RODGERS
JAMES E. SPARKES
JAMES J. CAMPFIELD
GERALD F. STACK
FRANK A. BERGAN, JR.
THOMAS C. BUCKEL, JR.
MICHAEL J. CORP
WILLIAM J. LEBERMAN
DANIEL B. BERMAN
LYNN L. GREENKY
JOHN T. MC CANN
STEVEN R. SHAW
DEBRA N. STENCEL

August 1, 1983

*ALSO ADMITTED TO FLORIDA BAR

Paul Vellano, Esq.
MELVIN & MELVIN
700 Merchants Bank Building
Syracuse, New York 13202

RE: Bossert Manufacturing Corporation

Dear Paul:

This letter, among other things, is to confirm the adjournment of the Bankruptcy Court-ordered hearing regarding ownership of certain tools and dies, until September 9, 1983. In granting the adjournment, Judge Marketos asked me if there is any possibility of a settlement with Merchants Bank. I replied that I believe there remains such a possibility. He asked that we "go to it."

The agreement with Rockwell represents a combination of months of posturing, and Bossert believes it is the very most that could be obtained from Rockwell. The agreement was not designed to simply relieve Bossert of short term cash flow problems. The truth is quite the contrary--it provides a foundation for a long term business relationship. The term of the agreement is 18 months, which is longer than Rockwell has a present need for. The key to business retention after that period is found in section 1, where we speak of the relationship extending upon such terms as is in each party's best interests. It is clearly contemplated under this section that as Rockwell develops more efficient tools and dies for its parts requirements, Bossert will share in the business as producer of such parts. This depends, to a large degree, upon the performance of Bossert in making parts presently designated by Rockwell.

Bossert fully intends to go forward with the position stated to the court regarding the Rockwell tooling. That is, the tooling being "conveyed" under the agreement is actually Rockwell's. The proof is very strong in this regard, particularly given the industry custom regarding tools and dies used in manufacturing process. It was not until December, 1982 that Mr. Urban ever asserted to anyone the position that the Rockwell tools and dies

Paul Vellano, Esq.

Page 2

August 1, 1983

were Bossert's. This was done primarily for the sake of posturing in Bossert's negotiations with Rockwell, which had reached a "rock-bottom" level at that time. It was only then that Mr. Urban stated to Pete Meyers that he would assert that various Rockwell tools and dies are Bossert's. And, as I understand it, Mr. Urban made it quite clear that he was going to use this position as bargaining-leverage to gain increased orders from Rockwell.

I believe that it would be in the best interest of Merchants Bank, Rockwell and Bossert, and all unsecured creditors if the consent of Merchants Bank could be obtained. We have, therefore, offered to make a certain monthly cash payment to Merchants Bank, in addition to the adequate protection arrangement, in exchange for Merchants Bank's consent. We have discussed the figure of \$17,000.00 per month.

It is my understanding that Merchants Bank would only give up any claim it might have as a secured creditor to the tools and dies being "conveyed" under the Bossert-Rockwell agreement after the expiration of the 18 month term and after payment by Bossert of all agreed upon amounts. I believe, Paul, that you mentioned to me that if Rockwell is really serious that it will not expend any money to purchase these tools from Bossert or Merchants Bank or any other secured creditor, then it would not be so anxious to immediately clear the horizon of any conflicting claims in and to these tools and dies.

On Friday I passed this question on to Mr. Urban. His response was that he concurs with Rockwell's position wholeheartedly. He explained that Rockwell has an immediate decision to make about tools and dies used to make its parts. It could, first, immediately invest money in the maintenance and upkeep of the tools and dies presently in Bossert's possession. It would only do so if it was assured that Bossert remains a viable entity to produce Rockwell parts with these tools and dies such that continuity of production is ensured. Otherwise, the choice it faces is to immediately begin to pull out production of certain parts from Bossert and develop secondary sources. As part of this second alternative, it would begin to invest money in the development of new tools and dies rather than in the upkeep of the tools and dies in Bossert's possession.

I would like to leave at your door step, once again, the proposal that Bossert will make the adequate protection payment and a monthly payment (the figure of \$17,000.00 has been discussed) to Merchants Bank in exchange for Merchants Bank's consent for the Rockwell agreement, including "conveyance" of the tools and dies immediately. Merchants Bank's consent cannot be contingent. If there is another alternative whereby the Bank can derive the

HANCOCK & ESTABROOK

Paul Vellano, Esq.

Page 3

August 1, 1983

"comfort" it needs for its security base, I would be happy to discuss it further. Otherwise, I ask you to more fully examine our proposal as stated.

One additional factor might be worth considering. The figures you gave the court regarding the decreasing volume of Rockwell's business directly coincides with the severe economic downturn of 1979 through 1982, which had an inordinate impact upon industries such as trucking which Rockwell services. Last week it was reported that International Harvester had a profitable quarter for the first time in a significant period. This will have an impact on the "Bosserts" of this county who manufacture parts for companies servicing the truck industry.

I look forward to hearing from you at your earliest convenience to see if any possibility of obtaining Merchants Bank's consent remains.

Very truly yours,

HANCOCK & ESTABROOK



Thomas C. Buckel, Jr.

TCB/mkg

cc: Mr. Thomas Senff
Bossert Manufacturing Corp.

Peter L. Hubbard, Esq.
Menter, Rudin & Trivelpiece, P.C.

Richard N. Tilton, Esq.
Whitman & Ransom

DRAWN STEEL HOUSINGS for Hermetic Compressors

The drawn steel housings shown on the reverse are another example of Bossert's precision deep-drawn capabilities. Look to Bossert for contract manufacturing to your specifications...accurate...delivered on time!

**Complete Facilities for
DESIGN • PROTOTYPES
TOOLING • PRODUCTION of**
Drawn Metal Stampings • Sheet Metal Weldments
• Fabricated Assemblies

HAVE A METALWORKING PROBLEM?

Bossert has a complete range of advanced tools, materials and techniques to meet your exact specifications.



Let's work on it together.
Just write, wire or phone . . .

Bossert Manufacturing Corporation

1089 Oswego Street, Utica, New York 13503
Telephone: 315-797-1600 TWX: 315-797-1261

Bossert's complete Facilities Brochure is filed in your
Sweet's Product Design File.

DEEP DRAWN
METAL
STAMPINGS

By Bossert



Bossert excellence in precision deep-drawn steel.



MOD-U-LOK[®]

MODULAR STEEL PLATES ARMOR NEW OR OLD FLOORS

The installation of Bossert's MOD-U-LOK plates shown on the reverse is typical of hundreds in plants in all industries. Many are for permanent protection of new floors, many for long-term rehabilitation of old floors. All provide a rugged anti-skid surface that will not break down under severe heavy-duty use. Floors are clean, easier to keep clean. Heavy loads roll smoothly, easily, and quietly. There's plenty of traction, wet or dry. Best of all, foot-square MOD-U-LOK modules are easy to install on new floors or old. Standard plates are of 12 gauge heavy-duty steel — other thicknesses and special analyses are available where needed.

FREE ILLUSTRATED BROCHURE

contains both long and short form specifications. Send the attached card for yours today!

Another Product of

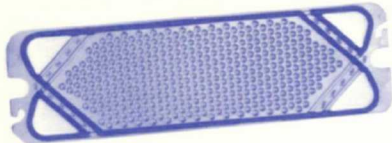
 **BOSSERT MANUFACTURING CORPORATION**

1002 OSWEGO ST., UTICA, NEW YORK 13503
TELEPHONE: 315-797-1600 TELEX: 93-9430



MOD-U-LOK installation at Woodhaven
Plant, FORD MOTOR COMPANY,
Dearborn, Michigan

**Stainless Steel
Heat-Exchanger Plates
Are a BOSSERT Specialty***



The plate-type heat-exchanger component shown above is one of those supplied to the Cherry-Burrell Corporation for a milk-processing system. It is a metal stamping involving a high order of precision. □ The use of stainless steel in any of several grades insures positive performance where processing requirements include: continuous closed-circuit heating and cooling; preservation of aroma and flavor; freedom from air- or equipment-borne contamination; expandable capacity. □ Specialization in stainless steel stampings enables Bossert to effect significant economies otherwise unobtainable. Interested?

Write, wire or phone . . .

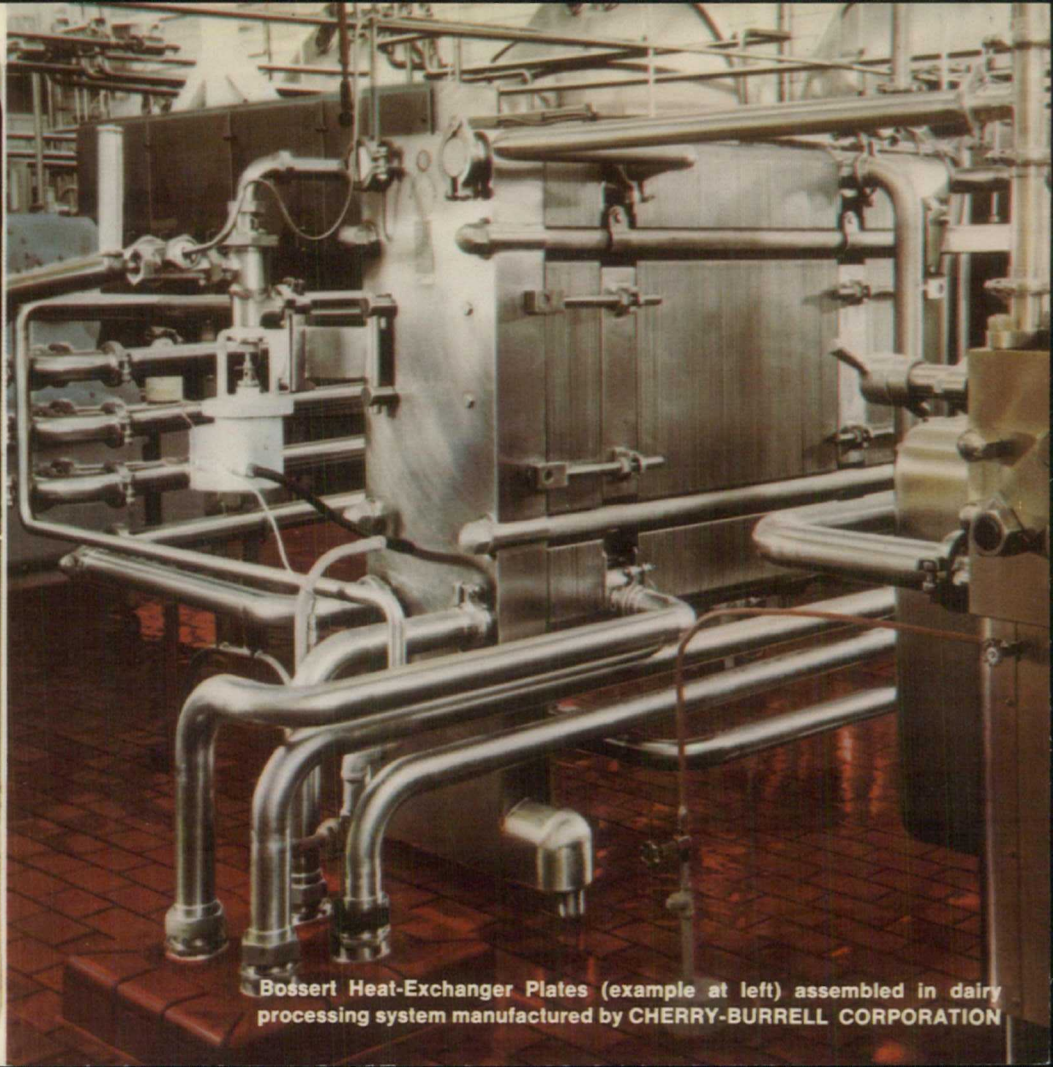
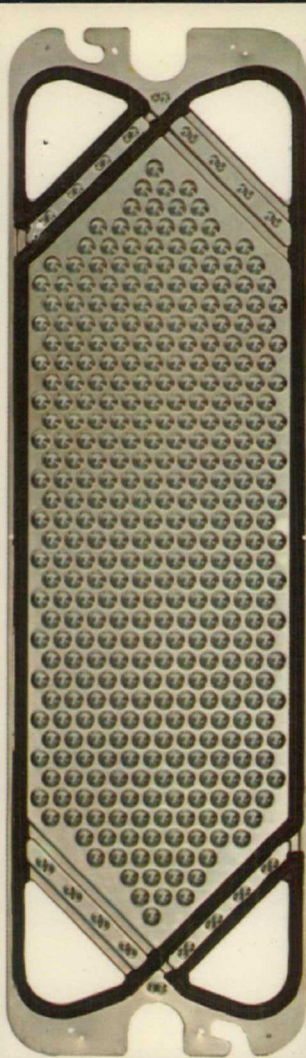
DONALD R. SAMSON, Sales Manager

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FOR YOUR CONVENIENCE you will find a Bossert Facilities Brochure filed in your *Sweet's Product Design File*

*ANOTHER EXAMPLE OF BOSSERT'S CAPABILITIES IN • DESIGN • PROTOTYPES • TOOLING • PRODUCTION of Drawn Metal Stampings . . . Sheet Metal Weldments . . . Fabricated Assemblies . . . Hydroformed Parts



Bossert Heat-Exchanger Plates (example at left) assembled in dairy processing system manufactured by CHERRY-BURRELL CORPORATION

PRECISION ROLL-BENDING

Bossert's facilities include accurate, time-saving Buffalo Bending Rolls. Whether your bending needs require circles, segments or spirals, Bossert has the equipment to do the job right . . . and on time!

Whatever your metalworking problem, Bossert has a complete range of advanced tools, materials and techniques to meet your exact specifications. Call us for

- DESIGN
- PROTOTYPES
- TOOLING
- PRODUCTION

of Drawn Metal Stampings, Sheet Weldments, Fabricated Assemblies.



Let's work on it together

Write, wire or phone . . .

DONALD R. SAMSON

Sales Manager

BOSSERT MANUFACTURING CORPORATION

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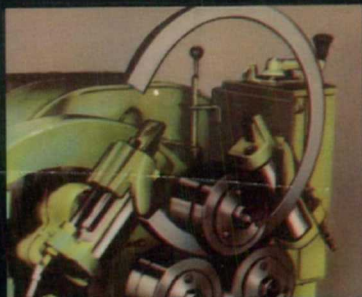
Contract Manufacturers Since 1896

Bossert's complete Facilities Brochure is filed in your *Sweet's Product Design File*.

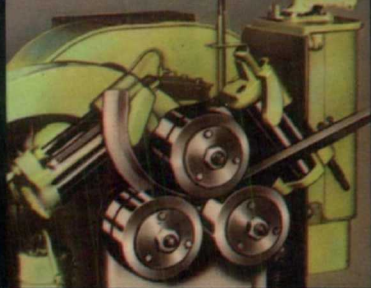
Bossert
versatility in
roll-bending ...



... Flash-Butt Welding



... Bending angles—leg in



... Bending angles—leg out



... Coiling flats on edge



... Coiling pipe



... Coiling angles—leg out



... Coiling bar stock

LOOK TO BOSSERT FOR TRUCK BRAKE BACKING PLATES

Only one example of Bossert's precision deep-drawn capabilities. And only one of Bossert's many intricate, heavy duty, heavy gauge stampings for highway and off-highway equipment.

LOOK TO BOSSERT FOR DESIGN • PROTOTYPES TOOLING • PRODUCTION



Drawn Metal Stampings • Sheet Metal
Weldments • Fabricated Assemblies

LOOK TO BOSSERT FOR

A complete range of advanced tools, materials and techniques to meet your exact specifications.

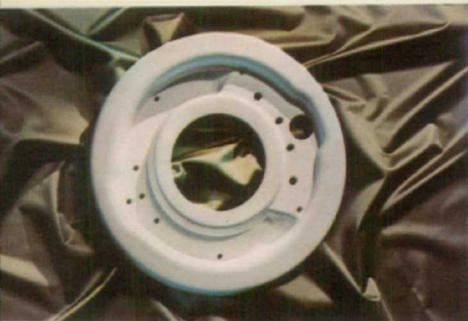


Write, wire or phone:
Donald R. Samson, Sales Manager

BOSSERT MANUFACTURING CORP.

1091 Oswego St., Utica, New York 13503
Telephone (315) 797-1600 TWX (315) 797-1261

TRUCK BRAKE BACKING PLATES BY

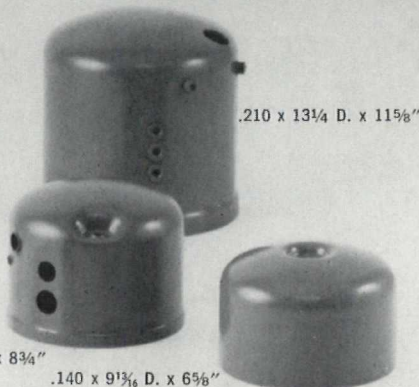


BOSSERT capability in precision deep-drawn parts

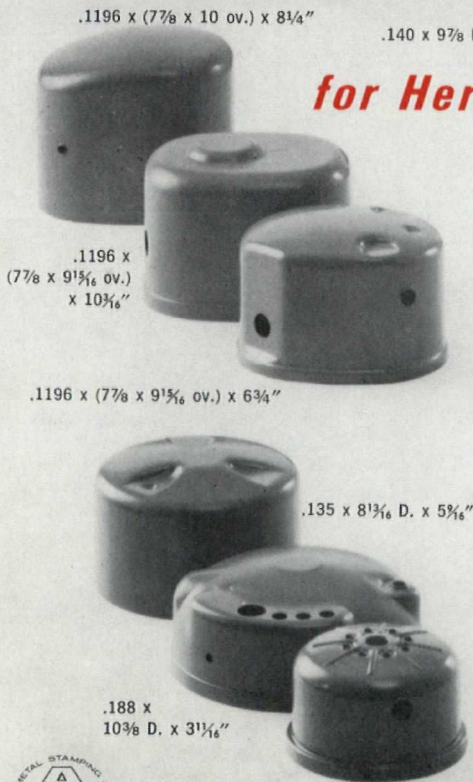


DRAWN STEEL HOUSINGS

CALL IT A DRAW...



for Hermetic Compressors



They're *your* specs.
What they call for, we deliver.
Accurately, and at the time
agreed upon.
Bossert capabilities include
the examples of
precision deep-drawn work
show here . . . as well
as intricate weldments and
assemblies.
As we said
—to *your*
specs.



- DESIGN
- PROTOTYPES
- TOOLING
- PRODUCTION of
DRAWN METAL STAMPINGS
SHEET METAL WELDMENTS
FABRICATED ASSEMBLIES
ROLLED AND WELDED RINGS


Write, Wire or Phone

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Telephone: 315-797-1600 • TWX: 315-797-1261



Complete facilities brochure pre-filed
in your Sweet's Product Design Catalog File.



Put a lock
on the

~~door!~~
FLOOR!



MOD-U-LOK installation
at Woodhaven Stamping Plant,
FORD MOTOR COMPANY,
Dearborn, Michigan



MOD-U-LOK®

MODULAR STEEL PLATES

... lock out wear from new floors ... lock out damaged floors, make them like new

One-foot-square MOD-U-LOK modules install easily on new floors or old ... with optimum economy ... deliver rugged, anti-skid surfaces that refuse to break down under continuous heavy-duty punishment. Standard plates are of 12 gauge heavy-duty steel. Other thicknesses and special analyses are available if you need them.

In the end, you get: clean floors that are easier to keep clean. Plenty of traction, wet or dry. Smooth, quiet, easy movement of even the

heaviest loads. Less wear and tear on mobile equipment. What more can you expect from a lock on the floor?

FREE ILLUSTRATED BROCHURE—contains both long and short form specifications. Send for yours today to ...

BOSSERT MANUFACTURING CORPORATION
1087 OSWEGO ST., UTICA, NEW YORK 13503
TELEPHONE: 315-797-1600 TWX: 315-797-1261

For ready reference, brochure pre-filed in Sweets Plant Engineering and Industrial Construction Files

WELDED ALUMINUM ELECTRONICS CHASSIS

(shown on reverse) is fabricated from aluminum sheet and extrusions. Weighing but 17 pounds, it comprises 28 formed parts with 123 certified spot welds. Its dimensions are $23\frac{3}{4}"$ x $20\frac{7}{8}"$ x $7\frac{1}{16}"$ to close tolerances.

ANOTHER EXAMPLE OF

BOSSERT'S Capabilities in

- **DESIGN • PROTOTYPES**
- **TOOLING • PRODUCTION of**
Drawn Metal Stampings
Sheet Metal Weldments
Fabricated Assemblies

...using a complete range of advanced tools, materials and techniques to meet your exact specifications.



HAVE A METALWORKING PROBLEM ?


Let's work on it together.
Just write, wire or phone . . .

JAMES A. LEAKE
President

Bossert Manufacturing Corporation

1065 Oswego Street, Utica, New York 13503
Telephone: 315-797-1600 TWX: 315-797-1261

FOR YOUR CONVENIENCE you will find a Bossert Facilities Brochure filed in your **Sweet's 1966 Product Design File (6a/Bo)**.



ANOTHER
Fabricated Assembly
by BOSSERT

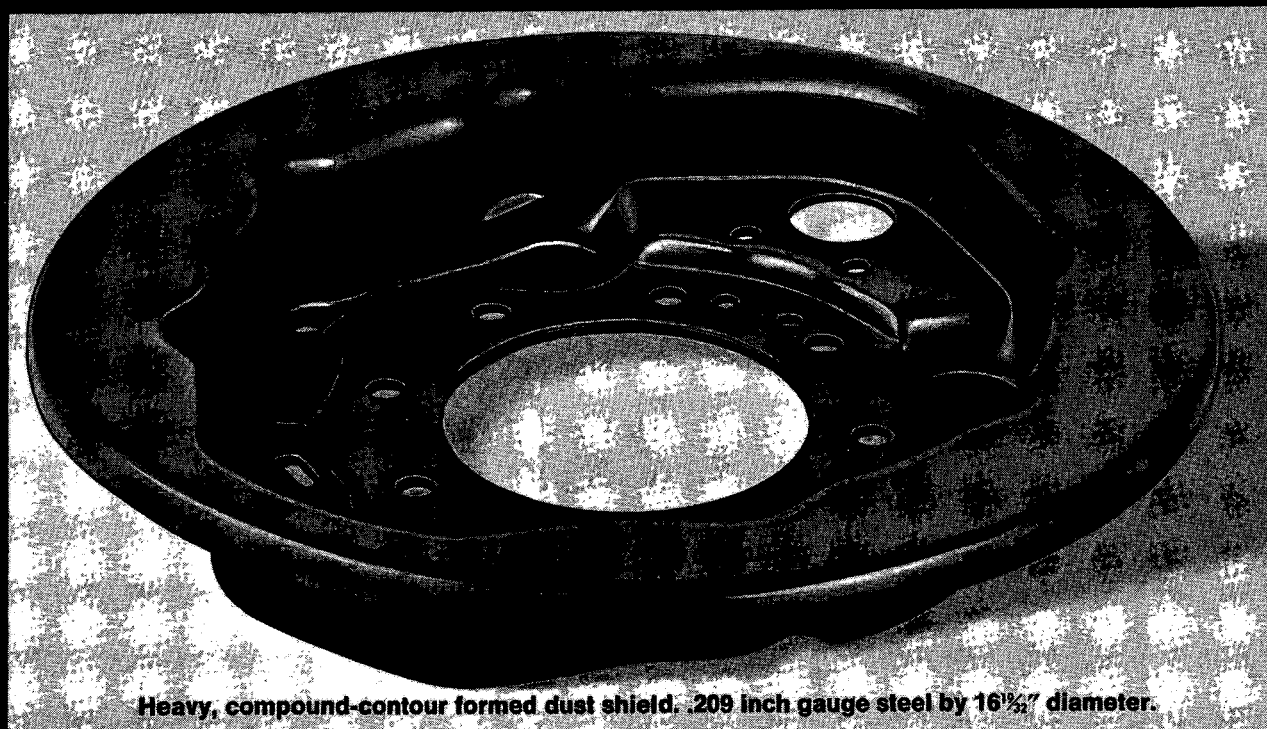
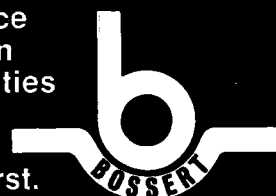


When the competitive chips are down...



try drawing first...

You can get the drop on costs by using our superior facilities to deep draw complex shapes in heavy gauges. Over 90 production presses with tonnages up to 1700. An engineering department that's quick on the draw to translate your specs into dimensionally accurate tooling. With fewer press operations. At less cost per part to you. Backed up by everything needed for single-source capability. Like draw furnaces up to 2200°. Telecontrol production scheduling. Hydroform up to 20" blank diameter. Complete facilities for intricate weldments and assemblies. Send us your specs and problems. And ask for our latest Facilities Brochure. When it's time for the competitive shoot-out, sometimes it's best to draw first.



Heavy, compound-contour formed dust shield. .209 inch gauge steel by 16 $\frac{1}{2}$ " diameter.

BOSSERT MANUFACTURING CORPORATION

1105 Oswego Street, Utica, New York 13503

• Phone: (315) 797-1600. Telex: 93-9430

DRAWN METAL STAMPINGS

SHEET METAL WELDMENTS

FABRICATED ASSEMBLIES

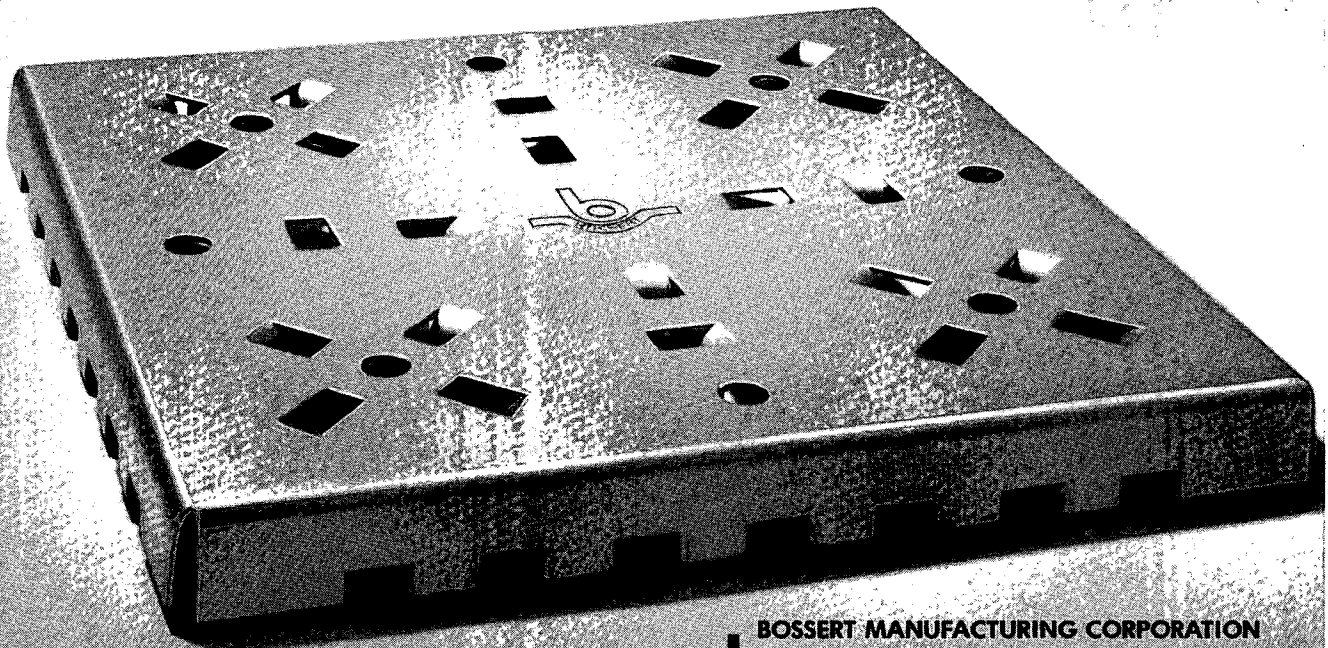
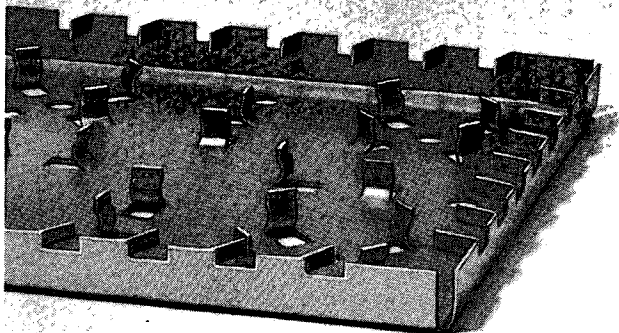


**If your concrete floors need constant
resurfacing, you've got to live with it.
Right?**

**Wrong.
Armor that concrete with Bossert's
Mod-U-Lok®, the long term steel floor.**

You can forget about the labor and cost of floor patching and maintenance, once you've installed Mod-U-Lok Modular Steel Floor Plates. These heavy-duty stamped steel plates are practically indestructible. They won't buckle, crack, break down or

wear out under extremely heavy traffic loads. What's more they give you a uniform, anti-skid surface for safer traction—wet or dry. Easy to install on new or old floors and aisles. Write for illustrated brochure. Send coupon for free estimate.



FREE ESTIMATE!



Bossert Manufacturing Corporation
1074 Oswego St.
Utica, N.Y. 13503

Yes, I'd like an estimate on Mod-U-Lok flooring. Necessary details enclosed.

F72

NAME _____

TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____



BOSSERT MANUFACTURING CORPORATION

1074 Oswego St., Utica, New York 13503

Phone: 315-797-1600 Telex 93-9430

News in the Trade

Bossert Corporation Helped Soldiers Cross the Sea

It is now permitted to tell about some of the devices that helped to fool the Huns. One of these devices was made in large quantities at the plant of the Bossert Corporation, Utica, N. Y., but under such conditions that not even the men who worked in the company's plant were able to know fully the great part they were playing in making possible the transportation of American soldiers overseas.

The "Otter" or Paravene

At the beginning of the war so many ships were sunk by coming in contact with moored mines that Commander Burney of the British admiralty devised a method of making every vessel its own mine sweeper. After repeated experiments this device, called after its inventor, Burney Gear or Otter, was adopted by the admiralty and manufacture was speeded up to its fullest extent and it was found that a vessel could sail through fields of German sowed mines. When America entered the war a manufacturer was sought to build this device for the United States. The Bossert Corporation came forward in a most patriotic way and canceled much of their commercial work to take up this work which required a large force and special machinery of which this factory was equipped.

The purpose of the paravene was to protect vessels against moored mines. A "Q" type of the same device was used against the submarines—this was an explosive mechanism and was in operation extensively in the early days of the war.

The paravene is nothing more than a cylindrical metal body, about 12 feet in length, weighing 1,425 pounds. It is fitted with a rudder that kept the machine at the proper depth while running. One paravene was towed on each side of a vessel by a steel cable from a point as low as possible on the stem of the ship. As each paravene was kept away from the ship's side by a plane set at an angle to the body, it can be readily seen that a V-shaped wedge would be formed by the two towing cables with the bow of the boat as the apex.

An Efficient Mine Destroyer

Should a mine mooring be encountered by either of the two cables it would automatically slide along the cable until it came in contact with the paravene.

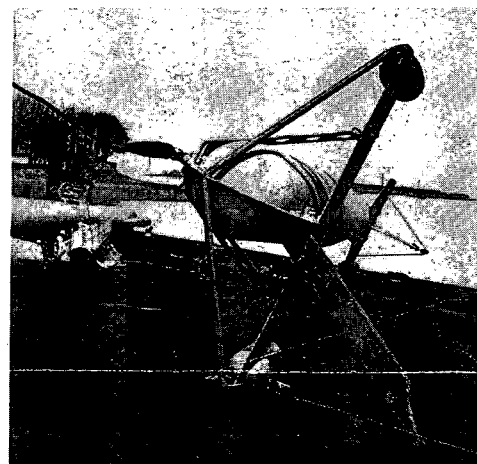
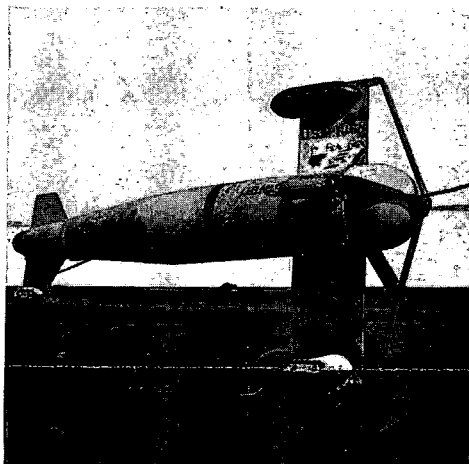
The essence of the whole story lies in the fact that each paravene was fitted with a set of fixed teeth which grasped the mine mooring with such force that it was cut as easily as a knife cuts a piece of cheese. The mine, thus released from its anchorage, would come to the surface and was destroyed. The

towing cable of each paravene was about 56 yards long, so ample sway was provided for catching a mine.

If a ship should hit a mine bow on, the result might be disastrous, but results show that such possibility is almost negligible. Even if it did happen, the paravene was by no means inefficient. The Germans equipped their mines with a device that was intended to deal more than ordinary destruction to allied ships. This consisted of a hang-fire

not duplicated in the automotive parts industry. In this factory about two hundred separate parts for automobiles, trucks and tractors are made, all standard and all adaptable in automobile, truck and tractor design where weight-saving is a factor to be considered.

Manufacturers in all the automotive industries are invited to make use of the Bossert engineering department, and correspondence is solicited relating to any pressed steel parts needed.



Side and front views of the famous paravene or "otter," made during the war by the Bossert Corporation, Utica, N. Y. With this device every vessel was its own mine sweeper.

mechanism that times the explosion to take place several seconds after the impact, so that the mine would be nearer a more vital part of the vessel than the bow. This scheme proved an aid to the paravene, since the few seconds delay gave the mine just time enough to slide along the towing cable to a point where the explosion would be virtually harmless.

Except in a heavy sea, when the ship was pitching badly, there was no chance of a mine being missed by the towing cables and hitting the vessel's bottom. In fact, the protection offered by the paravenes was so perfect and the result of their use so pronounced in more than two years of service with the general fleet, that the American navy, as soon as the United States declared war, adopted the British invention as regular equipment for its own ships.

Back to Peace-time Production

The Bossert Corporation, with its 175,000 square feet of floor space and its wonderful equipment of steel-working machinery, is now back on a peace time production basis. In the Bossert factories are some of the largest presses in the world, with numerous smaller ones, and its furnace equipment is probably

Continuously

IN THE SERVICE OF
GOVERNMENT & INDUSTRY

Since 1896



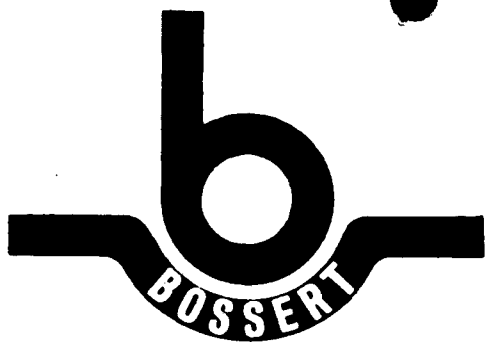
- DESIGN
- PROTOTYPES
- TOOLING
- PRODUCTION of

DRAWN METAL STAMPINGS
SHEET METAL WELDMENTS
FABRICATED ASSEMBLIES

BOSSERT MANUFACTURING CORPORATION

1074 Oswego St., Utica, New York 13503
Phone: 315-797-1600 TWX: 315-797-1261

Have a metalworking problem? Let's work together on it. Write, wire or phone James A. Leake, President.



MOD-U-LOK[®]



MODULAR STEEL FLOOR PLATES

PROVIDE THE MOST DURABLE MAINTENANCE-FREE
FLOOR FOR ALL TYPES OF INDUSTRIAL APPLICATIONS

AROUND MACHINERY IN METALWORKING PLANT

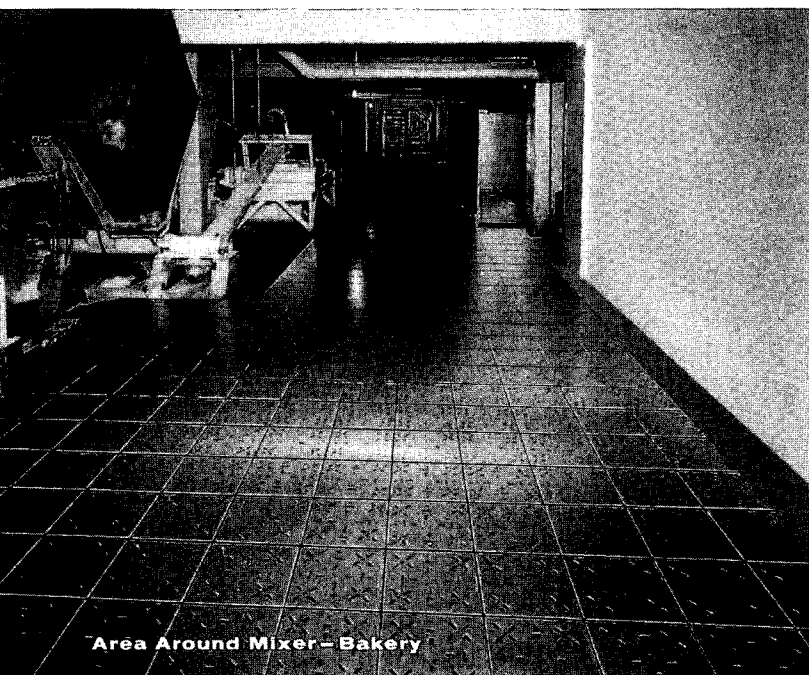


Winder and Aisleway - Paper Mill

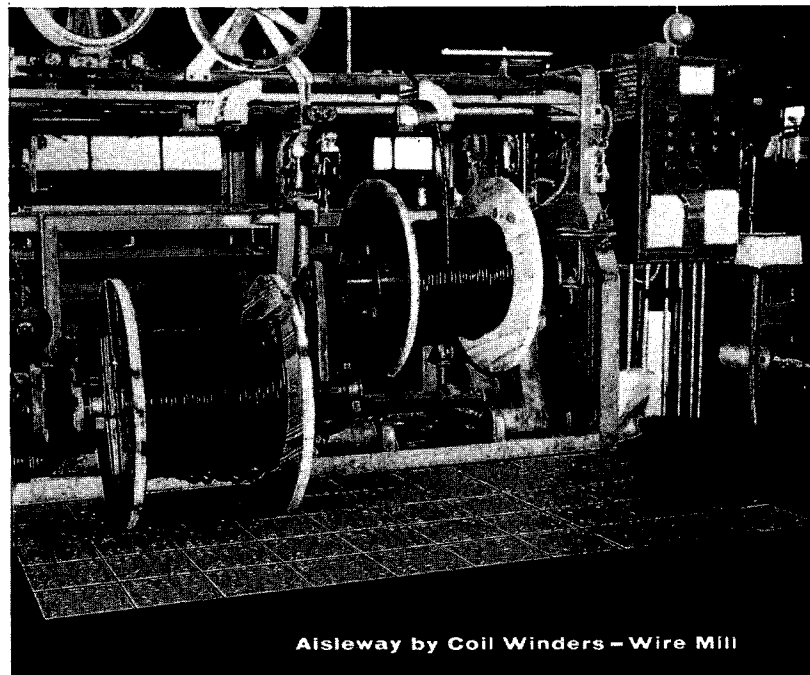


Storage Area - Optical Plant

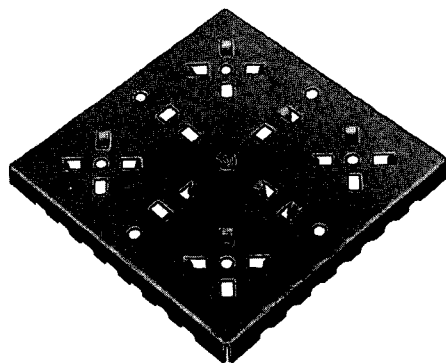
A FEW OF THE MANY APPLICATIONS FOR MOD-U-LOK STEEL FLOOR PLATES



Area Around Mixer - Bakery



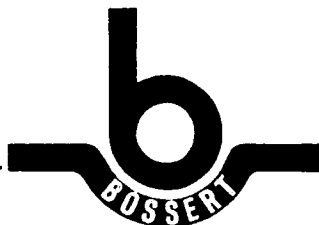
Aisleway by Coil Winders - Wire Mill



Mod-U-Lok Plates are made of heavy-duty stamped steel, 11 $\frac{3}{4}$ " square, designed to cover one square foot of floor area. Plates are available in various thicknesses, 12 gauge most preferred, and in special analyses to meet unusual requirements. They can be easily and quickly installed on a concrete base to provide a rugged surface that won't wear out or break down under the heaviest traffic loads.

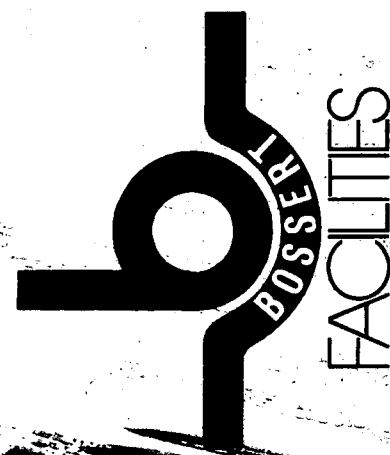
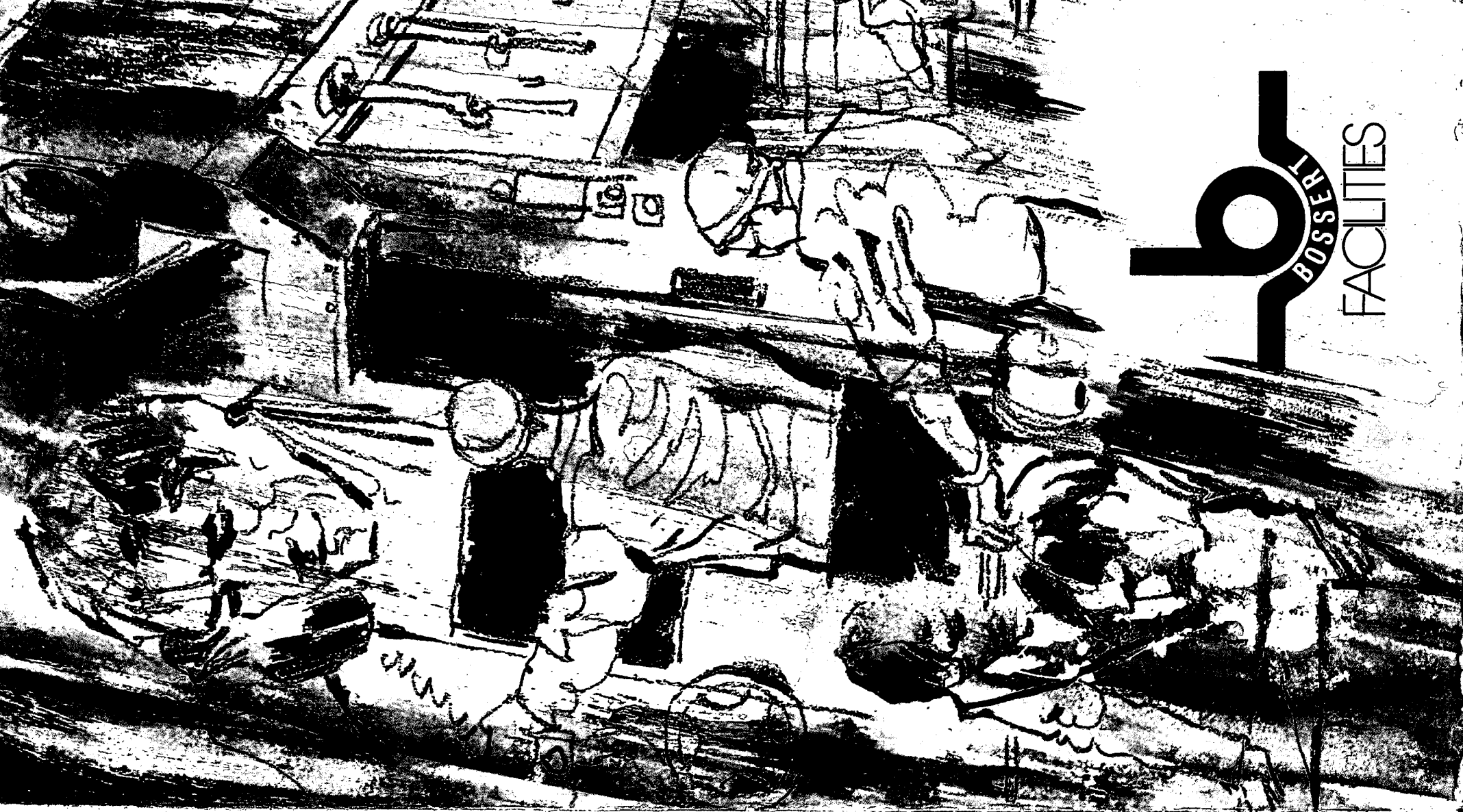
The heavy gauge stamped steel plates can take shock loads without buckling or cracking. In every industry where floors are subject to pounding that quickly breaks down other surfaces, Bossert Manufacturing Mod-U-Lok Plates provide rugged, dependable service. Costly patching and production delays are eliminated.

WRITE FOR NAME OF DISTRIBUTOR NEAREST YOU.



BOSSERT MANUFACTURING CORP.
1064 OSWEGO STREET, UTICA, N.Y. 13508

Phone 315 797-1600 TWX 315 797-1261



BOSSERT MANUFACTURING CORPORATION

1100 Oswego Street
Utica, New York 13503





DESIGN

- ☐ Innovative
- ☐ Imaginative
- ☐ Experienced
- ☐ Practical



ENGINEERING

- ☐ Complete Services
- ☐ Competent Engineers
- ☐ Creative Thinking
- ☐ Fast Service



TOOLING

- ☐ Precision Die Building Equipment
- ☐ All Inhouse Servicing
- ☐ High or Low Production Tooling
- ☐ Close Tolerance Work



PRODUCTION

- ☐ Wide Range of Press Facilities
- ☐ Continuous Production Line Operations
- ☐ Quality Control Inspection
- ☐ Complete Welding Facilities



TELECONTROL

- ☐ Nerve Center
- ☐ Information Output
- ☐ Improved Order Expediting
- ☐ Minimize Downtime



SUB ASSEMBLIES

- ☐ Extensive Facilities:
- ☐ Complete Welding Services
- ☐ Drilling
- ☐ Riveting



COMPLETE ASSEMBLIES

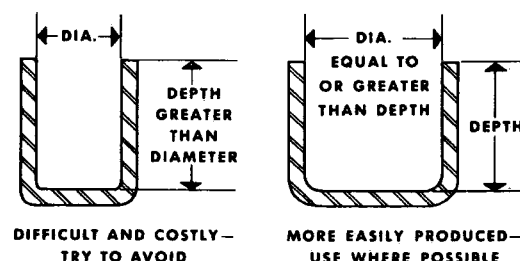
- ☐ Highly Specialized Facilities
- ☐ Extremely Versatile
- ☐ One Source for Entire Assembly
- ☐ Reduced Manufacturing Costs



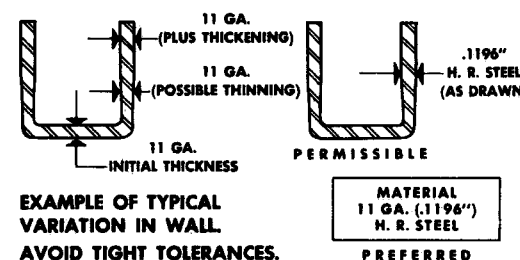
QUALITY ASSURANCE

- ☐ Quality Controlled Stampings
- ☐ Laboratory Control of Materials
- ☐ Modern Inspection Techniques
- ☐ Consulting Sales Engineers

Diameter and depth of drawn shells. Cylindrical shells are most easily and economically produced when the diameter is equal to or greater than the depth. As the shell depth increases in proportion to the diameter, the number of operations and their related cost increase also. While the necessity for deep-drawn shells cannot always be avoided, a shallower shell can often be substituted, resulting in substantial savings.

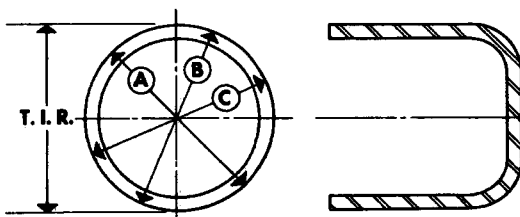


Wall thickness. The walls of drawn cylindrical shells normally thicken at the open end as the depth of the shell increases. This fact should be kept in mind in order to avoid costly, restrictive gage tolerances. A better practice is to indicate the desired wall thickness as a nominal dimension in the material specifications.



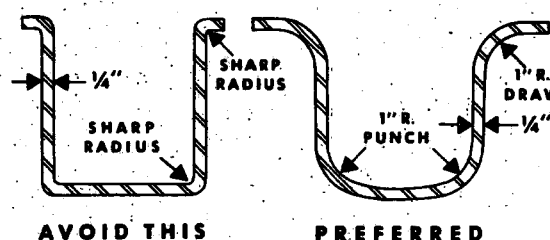
Average diameter. All drawn shells, due to grain direction of sheet metal, will tend to become "egg-shaped" at open end without losing ability to fit a mating part. When dimensioning diameters of cylindrical shells, two basic characteristics must be considered:

- (1) Maximum out-of-roundness—Measured by Total Indicator Reading (T.I.R.) **Maximum out-of-roundness** is one-half of the T.I.R., being a function of the variation in the radius. **Total Indicator Reading** is the total diametral variation normally measured while rotating shell using dial indicator.
- (2) Average Diameter—Measured by 3 or more random diameters. **The Average Diameter** is the average of "A," "B," and "C" diameters, and should be selected consistent with normal eccentricity of the part.



In general, mating parts should always be assembled with fixtures that confine each part of print dimensions during assembly operations.

Avoid sharp draw radii. When designing drawn shells, it is advisable to keep the draw radii equal to at least 4 times the stock thickness. If radii need to be sharper, due to desired shell capacity or design requirements, this can be readily accomplished, but usually requires additional press operations.



PRESSES, PUNCH:

More than ninety production presses with maximum specifications as follows:

- Maximum Tonnage=1700 tons (54" x 72" bed x 20" stroke)
- Maximum Bed Area=72" x 124" (500 ton x 18" stroke)
- Maximum Stroke-Hydraulic=60" (150 ton x 30" x 30" bed)
- Maximum Stroke-Mechanical=36" (1000 ton x 47" x 61" bed)

Capacity by press types (with and without cushions):

Mechanical:

- Straight side single crank up to 1700 tons
- Straight side double crank up to 580 tons
- Inclinable, open back up to 200 tons
- Horn up 120 tons
- Knuckle Joint up to 1200 tons
- Toggle up to 900 tons
- Crankless up to 250 tons

Hydraulic: Single action plus cushion up to 150 tons

Hydroform: Hi-Production, Up to 20" blank diameter, 15" punch diameter, 10" depth of draw, 1800 tons.

SHEARS, BRAKES, BLASTING, SOAPING EQUIPMENT:

Shotblast, completely automated, steel plates up to 72" wide x 1/2" thick

Dry soap lubrication, steel sheets up to 44" x 120" x 9 ga.

Shears, squaring, to 1/2" x 10 ft.; Brakes, press, to 5/16" x 96" (150 ton x 173" bed)

Niagara Ring and Circle Shear, 6" to 78" diameter x 10 gauge

ROLL FORMERS, BEADERS, TRIMMERS, LEVELERS:

Levelers, roller, to 56" wide 16 ga.; Slip rolls, double backgeared, to 72" wide

Rotary trimming and flanging machine, capacity 3/16" mild steel

Buffalo Vertical Bending Rolls Nos. 1 and 2. Up to 60" diameter

ASSEMBLY, WELDING, BRAZING, MECHANICAL:

Projection welders, up to 800 KVA

Arc welders, bare, covered and shielded wire; up to 600 amp.

(Certified welders available for Government work)

Hand, semi-automatic and automatic; Dual circumferential seam, automatic

Longitudinal seam, automatic Welding positioners, assorted

Gun welders, multiple head, universal, press type, 450 KVA

Heliarc welders, up to 400 amp.; AC welders, up to 400 amp. (aluminum)

Spotwelders, up to 300 KVA; Flash Buttwelders, up to 250 KVA

Circular seam and stitch welders, up to 200 KVA

Acetylene, torch brazing, silver soldering, custom work

MATERIAL HANDLING EQUIPMENT:

Overhead cranes up to 7-1/2 tons; Mobile handling up to 5 tons

Coil handling equipment; Conveyors, assorted; Press feeds, automatic, assorted

FURNACES: HEAT TREATMENT:

Draw Furnaces, to 1300°, continuous, gas fired; 52" wide x 31" opening

Draw Furnaces, to 2200°, batch, oil fired; 53" wide x 44" high x 112" deep

Tempering Furnaces, to 800°, batch, gas fired; 48" dia. x 38" deep

Assorted Furnaces, gas and electric for carburizing, hardening

MACHINES AND FINISHING:

Completely equipped secondary Machining Department for efficient drilling, tapping, boring, turning, grinding, trimming, etc.

Washers: Two stage, alkaline-rinse, to 46" wide x 27" high, continuous

Processing: Batch pickling; bright dip; passivation, tumbling

Painting: Primer, dip or spray; conveyorized, plus infra-red bake oven or air dry

TOOL ROOM:

Completely equipped, modern Tool and Die Department, including:

- Drills, radial to 6 foot
- Lathes, to 40" swing
- Planer-Shapers, to 104"
- Contour milling to 48" x 48" x 60"
- Grinders, surface, to 16" x 16" x 58"
- Grinders, Blanchard, to 36" diameter
- Boring, jig, to 30" x 36" x 48"
- Boring mill, to 80" diameter

TRANSPORTATION FACILITIES (Utica, N.Y.):

New York State Thruway—Exit 31, Utica, N.Y., (Interstate Highway No. 90)

Our modern plant is ideally located for all types transportation services.

Motor Freight: Six truck dock, enclosed (served by major Inter-Intrastate lines)

Railroad: Siding-enclosed, 3 cars (served by Erie-Lackawanna Railroad)

Air: Utica-Rome Airport, 9 miles (Mohawk Airlines, numerous flights connecting with all major airlines); Syracuse, Hancock Field, 45 miles (Mohawk, Eastern, American)

Sea-Land Containers Service via boat to Gulf Coast distribution points.

*(Subject to change without notice)

DRAWN METAL STAMPINGS • SHEET METAL WELDMENTS • FABRICATED ASSEMBLIES •



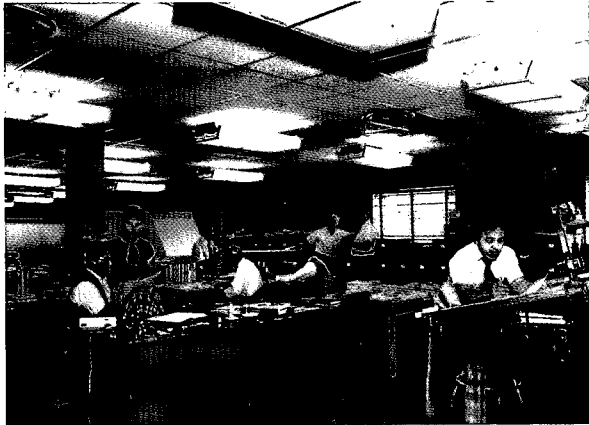
DESIGN • PROTOTYPES • TOOLING • PRODUCTION

Bossert Manufacturing Corporation

1114 OSWEGO STREET • UTICA, NEW YORK 13503

(315) 797-1600 • TELEX 93-9430

At Bossert, we start with an idea, design, or part . . .



Engineering

Bossert engineers for your market. We examine your designs with the end result in mind. Whether you call it value engineering or cost analysis, our goal is to put your product out on the market for a price that will make you competitive. Within a time frame that gives you a lead when you need it.



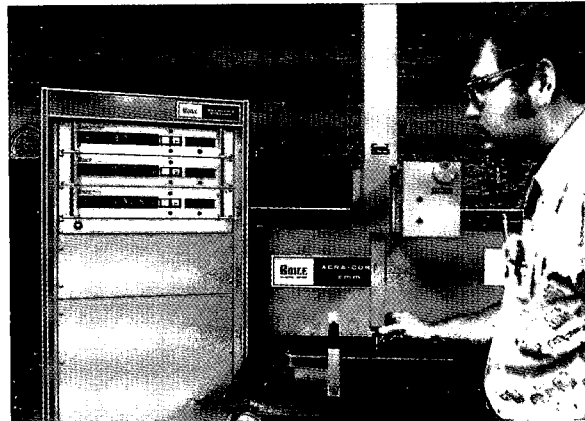
Tool Design

Bossert is better by design. We're proud of our ability to produce close-tolerance work, and we've got the metal working specialists and precision equipment to do it. Whether you're talking about high or low production tooling, we'll produce the tools, dies, jigs and fixtures you need for either simple or complex stampings. And we'll use the most efficient, economical and practical production techniques possible.



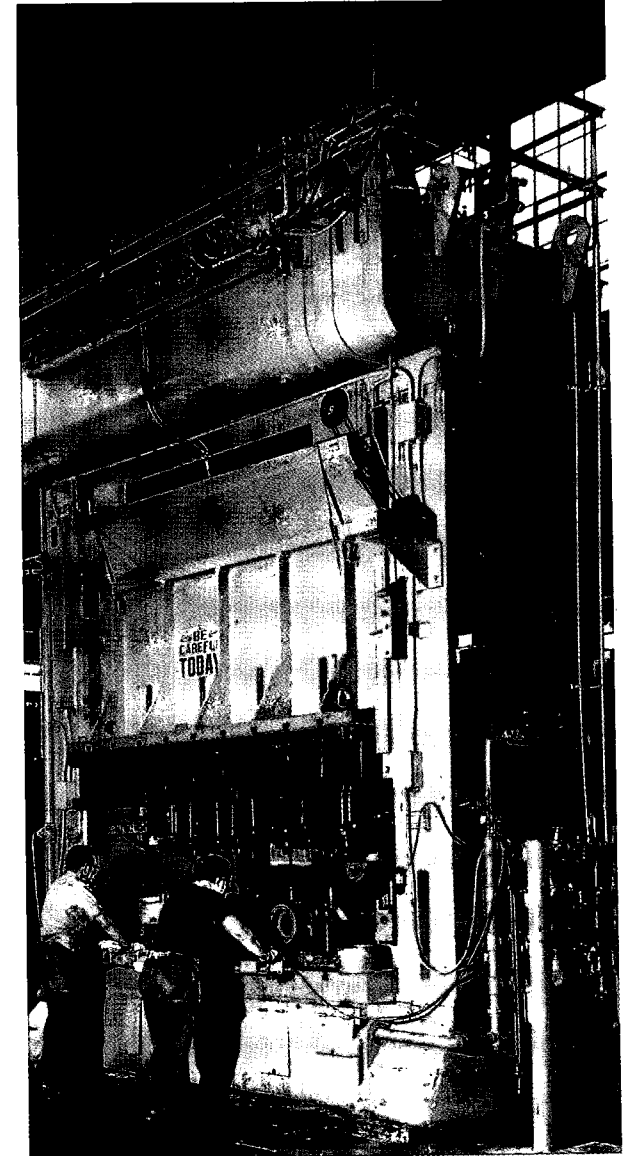
Telecontrol

Bossert has it all together. Our nerve center keeps track of your order from the moment it enters our doors. We monitor every stage of our own operations to expedite your order and minimize downtime. And we can keep you posted so that your customers don't remain in the dark over promised orders.



Quality Assurance

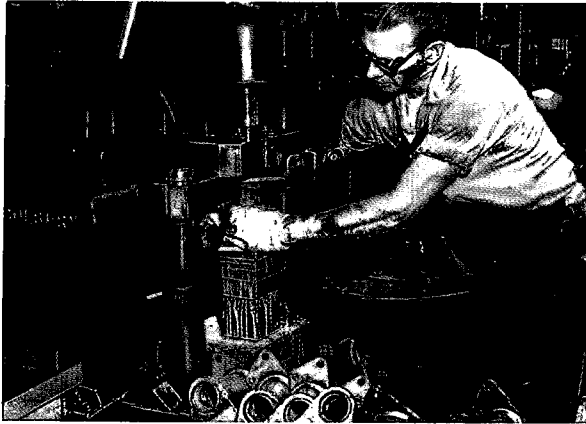
Bossert makes it right. From laboratory control of materials to rigid inspections at every step along the way, we adapt our techniques to meet your most rigid commercial or military specifications. Our consulting sales engineers will visit you to discuss our capabilities along with our entire concept of strict quality control.



Production

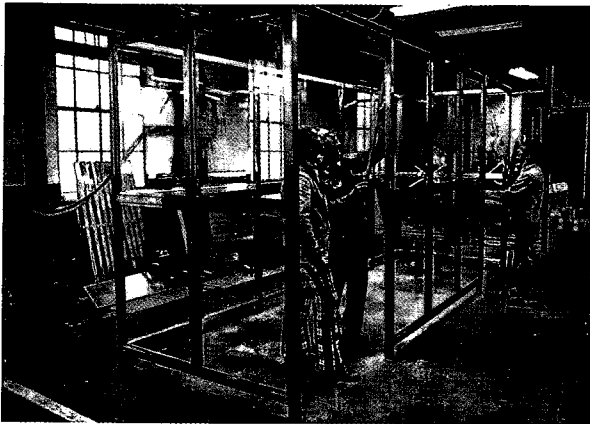
Bossert keeps the presses moving. Our modern automated equipment and skilled production people get the work out rapidly. Whether you need a single stamping or a series of complex forming operations, we have the machinery that can do your job most efficiently. Our continuous production line and integrated quality control mean minimum interruption for additional cost savings.

and completely fabricate assemblies to your specs.



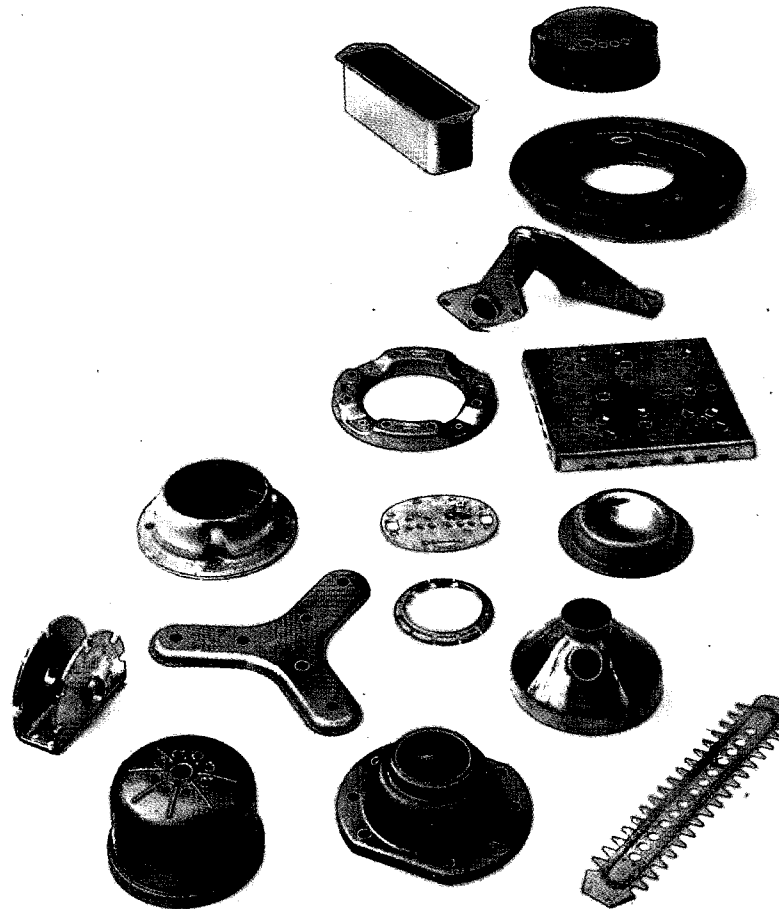
Sub-assemblies

Bossert will put it all together. With our extensive arc, gas, and resistance welding, plus reaming, drilling, tapping and riveting facilities, we can combine your parts into units that simplify assembly and reduce production costs. Our re-design experts may be able to recommend product design and efficiency improvements, such as developing stampings and welded or fastened assemblies to replace more expensive cast, forged or machined parts.



Complete Assemblies

Bossert is your source. With our highly specialized yet versatile facilities, we may be able to produce your parts or complete assemblies at a more favorable price than you can in-house. And still improve the product quality. A comprehensive value analysis can show you the cost advantages of "buying Bossert" and our wide range of metal product assembly manufacturing capabilities.

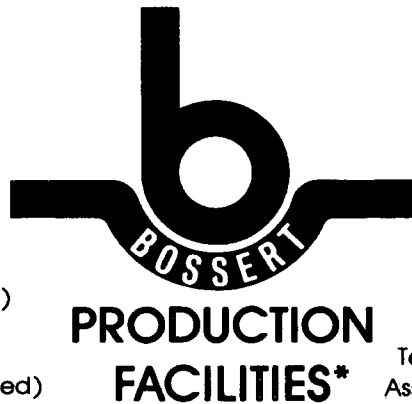


Capabilities

Bossert is versatile. When our sales engineers do visit, quiz them on precisely what we can do for you. Our pressworking operations include blanking, forming, deep drawing, coining, piercing, impact extruding, bulging, sizing, beading and broaching. We can work with mild, carbon, high tensile, maraging or alloy steels, as well as aluminum, copper, nickel and magnesium alloys. We also can handle a wide range of Hydroform applications as well.

SERVING
YOUR
MEDIUM
AND
HEAVY
METAL
STAMPING
NEEDS
SINCE
1896.





PRESSES, PUNCH:

More than ninety production presses with maximum specifications as follows:

- Maximum Tonnage = 1700 tons (54" x 72" bed x 20" stroke)
- Maximum Bed Area = 72" x 124" (500 ton x 18" stroke)
- Maximum Stroke-Hydraulic = 60" (150 ton x 30" x 30" bed)
- Maximum Stroke-Mechanical = 36" (1000 ton x 47" x 61" bed)

Capacity by press types (with and without cushions):

Mechanical:

- | | |
|--|--------------------------|
| Straight side single crank up to 1700 tons | Horn up to 120 tons |
| Straight side double crank up to 580 tons | Toggle up to 900 tons |
| Inclinable, open back up to 200 tons | Crankless up to 250 tons |
| Knuckle Joint up to 1200 tons | |

Hydraulic: Single action plus cushion up to 150 tons

Hydroform: Hi-Production, Up to 20" Blank diameter, 15" punch diameter, 10" depth of draw, 1800 tons.

SHEARS, BRAKES, BLASTING, SOAPING EQUIPMENT:

Shotblast, completely automated, steel plates up to 72" wide x 1/2" thick
 Dry soap lubrication, steel sheets up to 44" x 120" x 9 ga.
 Shears, squaring, to 1/2" x 10 ft.; Brakes, press, to 5/16" x 96" (150 ton x 173" bed)
 Niagara Ring and Circle Shear, 6" to 78" diameter x 10 gauge

ROLL FORMERS, BEADERS, TRIMMERS, LEVELERS:

Levelers, roller, to 56" wide 16 ga.; Slip rolls, double backgeared, to 72" wide
 Rotary trimming and flanging machine, capacity 3/16" mild steel
 Buffalo Vertical Bending Rolls Nos. 1 and 2. Up to 60" diameter

ASSEMBLY, WELDING, BRAZING, MECHANICAL:

Projection welders, up to 800 KVA

Arc welders, bare, covered and shielded wire; up to 600 amp.

(Certified welders available for Government work)

Hand, semi-automatic and automatic; Dual circumferential seam, automatic
 Longitudinal seam, automatic Welding positioners, assorted

Gun welders, multiple head, universal, press type, 450 KVA

Heliarc welders, up to 400 amp.; AC welders, up to 400 amp. (aluminum)

Spotwelders, up to 300 KVA; Flash Buttwelders, up to 250 KVA

Circular seam and stitch welders, up to 200 KVA

Acetylene, torch brazing, silver soldering, custom work

MATERIAL HANDLING EQUIPMENT:

Overhead cranes up to 7-1/2 tons; Mobile handling up to 5 tons

Coil handling equipment; Conveyors, assorted; Press feeds, automatic, assorted

FURNACES: HEAT TREATMENT:

Draw Furnaces, to 1300 degrees; continuous, gas fired;
 52" wide x 31" opening

Draw Furnaces, to 2200 degrees, batch, oil fired;
 53" wide x 44" high x 112" deep

Tempering Furnaces, to 800 degrees, batch, gas fired; 48" dia. x 38" deep
 Assorted Furnaces, gas and electric for carburizing, hardening

MACHINES AND FINISHING:

Completely equipped secondary Machining Department for efficient drilling, tapping, boring, turning, grinding, trimming, etc.

Washers: Two stage, alkaline-rinse, to 46" wide x 27" high, continuous

Processing: Batch pickling; bright dip; passivation, tumbling

Painting: Primer, dip

TOOL ROOM:

Completely equipped, modern Tool and Die Department, Including:

- | | |
|------------------------------------|---------------------------------------|
| Drills, radial to 6 foot | Grinders, surface, to 16" x 16" x 58" |
| Lathes, to 40" swing | Grinders, Blanchard, to 36" diameter |
| Planer-Shapers, to 104" | Boring, jig, to 30" x 36" x 48" |
| Contour milling to 48" x 48" x 60" | Boring mill, to 80" diameter |

DESIGN ENGINEERING AND PROTOTYPES:

Product Design: Assistance in designing stampings and assemblies for most economical cost of manufacture, including construction of Prototypes for field test and design finalization

Tool Layout: Design of tools for maximum life, minimum cost and maintenance, safe and trouble-free operation

Process Engineering: Layout of process for minimum number of efficient operations

TRANSPORTATION FACILITIES (Utica, N.Y.):

New York State Thruway—Exit 31, Utica, N.Y. (Interstate Highway No. 90)

Our modern plant is ideally located for all types of transportation services

Motor Freight: Six-truck dock, enclosed (served by major Inter/Intrastate lines)

Railroad: Siding-enclosed, 3 cars (served by CONRAIL)

Air: Utica-Rome Airport, 9 miles (Allegheny Airlines, numerous flights connecting with all major airlines); Syracuse, Hancock International Airport, 45 miles (Allegheny, Eastern, American)

Sea-Land Containers Service via boat to Gulf Coast distribution points.

*(Subject to change without notice)

SPECIFICATIONS

SHORT FORM

Floors noted to be "Steel Floor Plates" on the drawings or in the finished schedule shall be modular Bossert Manufacturing Mod-U-Lok as manufactured by Bossert Manufacturing Corporation and shall be installed according to applicable portion of the Long Form Specifications shown on page 4 of the latest Bossert Manufacturing Catalog.

LONG FORM

Note: The following specification covers old and new floors and in some cases gives alternates for each. The spec writer should use only those portions which apply to the job at hand. Note also that all explanatory notes addressed to the spec writer are printed in color so that they will not be confused with the specifications which are printed in black.

1. GENERAL:

All floors noted or scheduled to be covered with Steel Floor Plate shall be covered with Mod-U-Lok Steel Floor Plates as manufactured by Bossert Manufacturing Corporation, Utica, New York. In general the following floor areas are included: (Here list areas or rooms to receive modular Steel Floor Plate.)

2. SURFACE PREPARATION:

a. New Floors (select one of the following:)

(1) (monolithic slab construction) The concrete mix in the top 1½" of the structural slab shall contain no aggregate greater than ¾" and shall have a slump* not greater than 2". It shall be screeded to the finished floor elevation making no allowance for plate thickness. Do not trowel finish.

(2) (rough slab and topping construction) The topping and bedding concrete shall be laid on the base slab as soon as practicable; it shall be a mix of 1 part cement, 2 parts sand and 1½ parts ¾" aggregate (gravel or stone) and about 4½ gallons of water per sack of cement. The slump* shall not exceed 2".

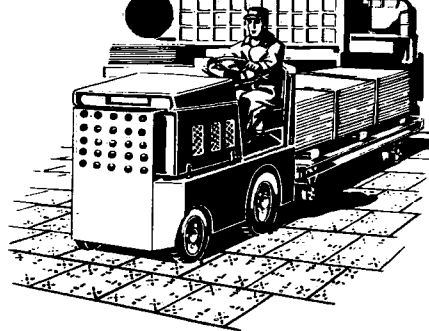
b. Old Floors

(1) (If it is permissible to raise the finished elevation of the floor 1½") Thoroughly clean entire floor surface of all paints, films, coatings, dirt, efflorescence, grease, etc., and roughen the concrete base to afford a good bond for the bedding material. Sections of concrete that are cracked, spalled, grease-soaked or otherwise show evidences of deterioration, shall be cut out to full depth of deterioration or down to sound surface. Wet the concrete base thoroughly and until no more water is absorbed. (This is important, and especially so around furnaces, ovens, and other high temperature areas.) Be sure no puddles or surplus water remains. Assure a good bond by applying a thin coat of grout (a mixture of 5 pounds of Portland cement to 2 gallons of water) or lightly dusted Portland cement. (Note, other bonding agents may be used at the discretion of the specification writer.) In either case, be sure the grout or slush is worked in by thoroughly brushing with a broom. (Now insert paragraph 2a(2) above.)

If new modular Steel Floor Plate covered floor must be same height as existing floors as, for example, when an aisle is installed between existing machines, tests must be made to determine which of the following should be used:

(a) (If the reinforcing steel is at least 1½" below the desired elevation of the finished floor) Chip off the surface of the slab to a depth of at least 1½" below the finished floor elevation making edges straight and true with an abrasive saw. (Now insert paragraph 2b(1) above.)

(b) If the reinforcing steel is less than 1½" below the desired elevation of the finished floor, specify that the entire slab shall be removed and replaced with a new structural slab using specifications 2a(1) or 2a(2) above. Also specify that all edges shall be made straight and vertical with an abrasive saw.



(c) Aisles in existing floors** (First test and determine if the reinforcing steel is 1½" below elevation of finishing floor and then use one of the paragraphs under 2b(2) above, adding the following:) Cut away concrete 6" wider than the portion to be covered with steel floor plates making sides of the trench straight and parallel. The extra 3" on each side shall be filled with concrete after form boards are removed and used for feathering to ease any difference in elevation between new Steel Plated floor and existing concrete floor. Set form boards in the trench 1" wider than the finished steel floor to provide ½" on side for a bonding surface when boards are removed.

3. LAYING PLATES

Establish a straight line before starting. Lay the plates in the bedding concrete with joints staggered (or matched; or on a 45° diagonal) and with tight joints.

(The one foot square modular design permits cutting to fit unusual floor patterns.) Make diagonal or longitudinal half plates on job site by band saw or torch cutting full plates in two and place the cut edge of the half plate at an edge where they will receive little, if any, heavy traffic.

Tamp each plate into the topping with a rawhide type mallet until concrete works up through the holes. Level each plate as it is laid so that it is not necessary to go back and disturb plates after they have been laid. If the plate is not fully bedded after tamping down, remove it and add more concrete.

When concrete has partially set up, wipe off excess concrete which has oozed through the holes and slots. (The slight amount of residue left on the plates, if any, will quickly wear off during use.)

Floor shall be protected from heavy traffic until concrete is completely hard. (Consult manufacturer of cement used to determine curing time for specific climate and floor load requirements. If minimum curing time is important, High-early cement should be specified. (For heat resistant applications, calcium-aluminate type cement should be specified. Corrosion-resistant cement should be specified where application warrants.)

*It is difficult to express in words the proper mix of a concrete due to so many variable conditions; however, as a guide, we can offer, from past experience, the following rules for job site judging mix from a ready-mix delivery:

- (1) If the mix is too soupy to form a ball when clenched in the hand, it is then too wet — no good.
- (2) If the mix forms a moist and only slightly sagging ball, it is then the proper consistency for installing plates. This is the best condition.
- (3) If mix forms a moist compact ball without sagging, it is then a little bit too dry and needs more water.
- (4) If mix forms a solid ball that cracks or crumbles, it is then too dry — no good.

**When abrasive cutting aisles and removing concrete in existing factories, it is very important to protect nearby machinery and equipment from dust and flying chips. Dust can be kept down by shrouding the chip hammer with wet burlap and attaching a rubber hose to the exhaust and extending it up into the air 6 to 8 feet. In addition all machines and equipment should be shrouded and cardboard deflectors can be used along the aisle as the work progresses to restrain flying chips.

Another Product of...



BOSSERT MANUFACTURING CORPORATION
1002 OSWEGO STREET, UTICA, NEW YORK 13503
TELEPHONE 315 797-1600 TWX 315 797-1261

Distributors in all major industrial areas

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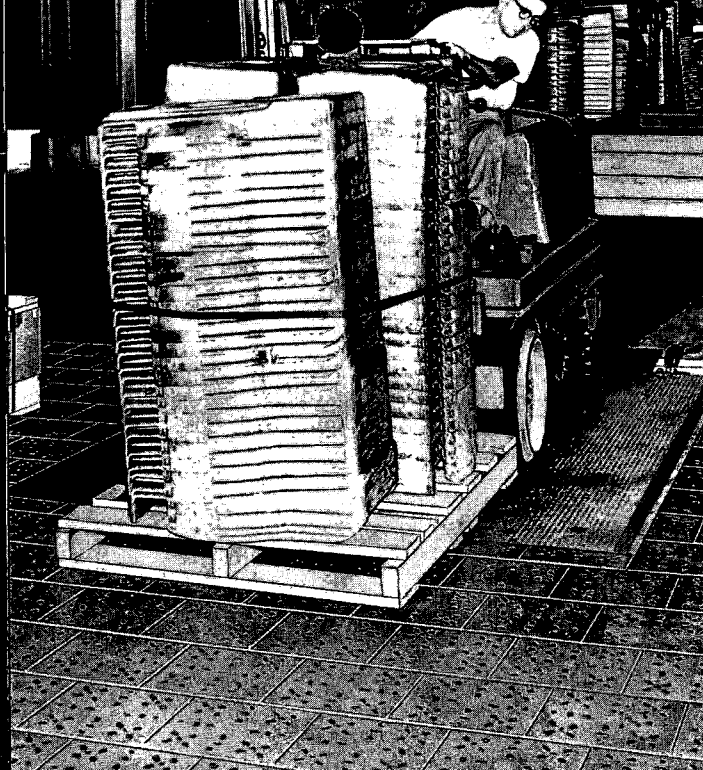
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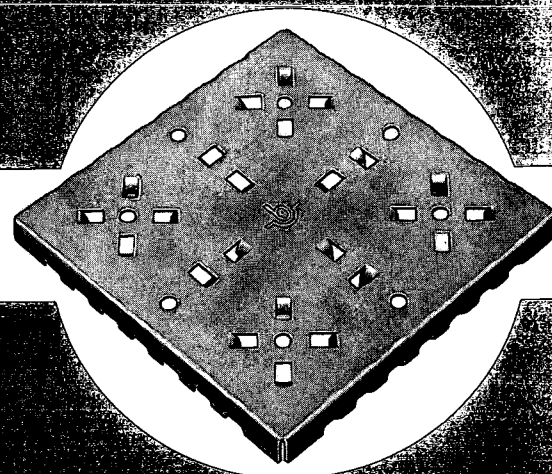
CONFORMS TO
FEDERAL SPECIFICATION
QQ-F-455a
FLOOR PLATE, STEEL, ROLLED
(Modular for Concrete Floors)


MOD-U-LOK
Modular Steel
FLOOR PLATES

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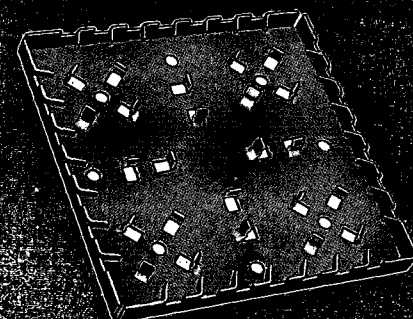


Loading Dock Area



Steel when locked into concrete permanently armors your floor.

In locations where industrial floors are subject to continuous trucking, Bossert Manufacturing Mod-U-Lok Plates provide a surface that won't break down, won't wear out. The jarring shock of dropping, sliding, and stacking heavy loads will not crack it. Molten metals ordinarily will not buckle or curl it. Hard battering will not dent or chip it. Most important, the expense and delays encountered with the constant maintenance of ordinary floor surfaces are eliminated. A single shutdown to repair the floor in a heavily-traveled plant area can cost far more in lost production than the investment in Bossert Manufacturing Mod-U-Lok Floor Plate that provides permanent, maintenance-free service.



MOD-U-LOK®

Modular STEEL FLOOR PLATES

Mod-U-Lok Plates are made of heavy-duty stamped steel, 11 $\frac{1}{2}$ " square, designed to cover one square foot of floor area. Plates are available in various thicknesses, 12 gauge most preferred, and in special analyses to meet unusual requirements. They can be easily and quickly installed on a concrete base to provide a rugged surface that won't wear out or break down under the heaviest traffic loads.

The heavy gauge stamped steel plates can take shock loads without buckling or cracking. In every industry where floors are subject to pounding that quickly breaks down other surfaces, Bossert Manufacturing Mod-U-Lok Plates provide rugged, dependable service. Costly patching and production delays are eliminated.

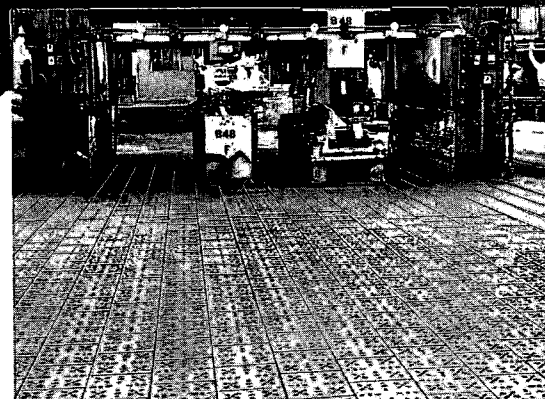
Contoured Steel Prongs

The plates are scientifically designed to bond mechanically, completely, and permanently with the concrete base. Each individual plate has 32 contoured, steel prongs that anchor themselves firmly down into the concrete from the top and around the side flanges. By combining the strength of concrete with durability of steel — when the concrete hardens, the contoured top and side prongs are firmly locked in position — you get a permanent, maintenance-free floor surface.

- Easy to install on new or old floors...no waste
- Heavy loads roll easily without noise
- Anti-skid surface provides plenty of traction...wet or dry
- Holds up heaviest loads...requires no maintenance

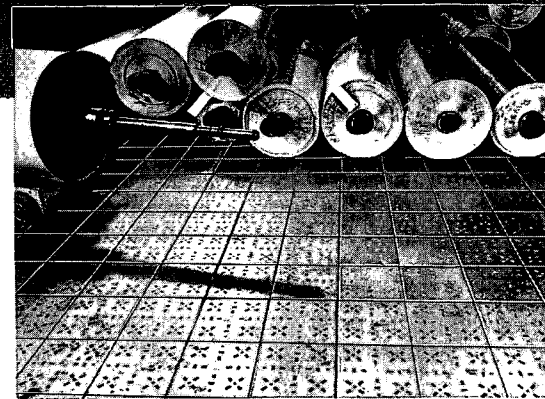
The most durable, maintenance-free floor for all types of industrial applications:

Aircraft
Automotive
Baking
Beverage
Chemical
Dairy
Electrical
Food Processing
Foundry
Freight Handling
Glassware
Machinery
Metal Producing
Metalworking
Oil Refining
Packaging
Paper Making
Power Plants
Printing
Railroad
Rubber
Textile
Warehousing
Wire and Cable



Around Machinery in Metalworking Plant

The areas of exposed concrete flush with the top of the plate furnish 32 safety-grip surfaces in each square foot. This friction surface provides safe footing around machinery and in places that are normally oily or wet. Modular Steel Plate floors are easier to clean, easier to keep clean. They are preferred by industries that must maintain safe and sanitary conditions.



Storage Area in Paper Making Plant

The smooth Steel Plates provide a perfectly level surface, eliminating the clatter and noise usually associated with grid-type metal floors and chipped and uneven concrete surfaces. Shop trucks roll easily with far less effort, less spillage, and less damage to fragile items. Modular Steel Floor Plates are particularly recommended for use where it is necessary to roll, skid, or store heavy loads because they provide a surface that is practically indestructible.

SIMPLE TO INSTALL

Simple as

A

Screed concrete



B

Embed Mod-U-Lok



C

Wipe Surface



(For detailed instructions refer to specifications on next page)

MOD-U-LOK is designed for — New Floor Construction
— Topping Old Floors
— Replacing Old Floors
— Inset Aisleways

MOD-U-LOK

- Reduces costly accidents and product damage.
- Eliminates costly floor patching and maintenance.
- Lowers maintenance cost on powered vehicles — batteries and transmissions.

Entire cost is self-liquidating — Savings exceed initial cost — Investigate now.